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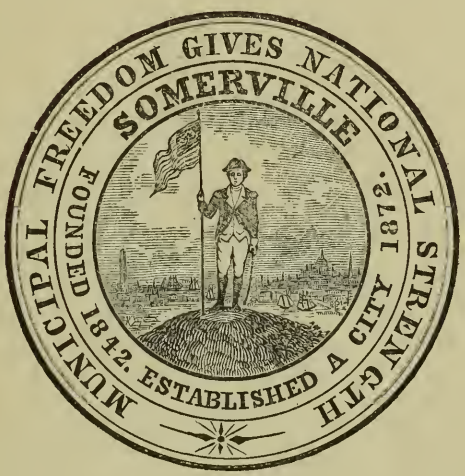
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CITY OF SOMERVILLE

ANNUAL REPORTS.



1872.

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1873.

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INAUGURAL ADDRESS

OF THE

HON. GEORGE O. BRASTOW,

Jan. 1, 1872.

Gentlemen of the City Council:

In entering upon the duties assigned me by the very flattering vote of my fellow-citizens, the first impulse of my heart is to express my thanks for the honor which their confidence confers, and to acknowledge my full appreciation of the responsibility which it imposes upon me. The change from a town to a city form of government was regarded by the wise and good men who established our State, as of sufficient importance to be recognized and provided for in the Constitution of our Commonwealth.

For about two centuries after the settlement of the colony, the people of Massachusetts adhered without change to the town system of local government. In small communities the town organization is the most desirable and the best, because it is the most simple and the most democratic. It brings the people frequently together to consider and discuss all matters pertaining to their municipal welfare, and by them all such business is transacted in the town meeting. But where a town has increased in population beyond a certain limit, and its

various public needs become more and more weighty and pressing, it is impossible for the people in the crowded town meeting, to give to all the questions which arise, that careful deliberation which their importance demands; consequently a delegated or city form of government becomes a necessity. The real difference in the two forms of government is just this: In the town, the people act directly for themselves in "open town meeting;" in the city, the people elect certain officers to act for them. This change is entirely optional with the people themselves. No town can be made a city unless its citizens desire the change.

The city charter of Somerville, granted by the last Legislature, has been voted upon and legally accepted, and a city form of government adopted by the people; and to us, the City Council, they have delegated the public affairs of our new city. The Board of Aldermen and the Common Council, in the exercise of their various duties, hold to the City Government similar relative powers which the Senate and the House of Representatives do to the State Government; the upper branch being considered the conservative, and the lower branch the popular body.

Each branch in its action has a check upon the other; and this feature, and the fact that every measure must pass through several stages of consideration before it is finally adopted, is a peculiarity of a city form of government as compared with that of a town, and furnishes ample security against hasty and inconsiderate action.

Upon us is imposed a great trust, and a weighty responsibility — to us the welfare of our beautiful and rapidly growing city is confided.

It is well that a divine blessing has been invoked for the future welfare of our city, and it was fitting that a

thank offering was rendered for the past prosperity of our town.

I congratulate you and I congratulate our fellow-citizens that this change in our municipal government, which is the most important event in our history, is made under circumstances so promising and so encouraging.

THE TOWN DEBT.

The present debt of the town, including the water bonds issued, is five hundred and ninety-three thousand three hundred and forty-nine dollars ($593,349), and the last assessed valuation of its public property is six hundred and sixty thousand dollars ($660,000).

GROWTH OF THE TOWN.

The growth and increase in population and taxable property in Somerville, and her progress in all that tends to improve and elevate a community, has been constant and rapid, from its incorporation as a town in 1842 to the present time. Its beginning was small and humble, and the contrast between its then "day of small things," and its present vigorous proportion, is most striking. At the time of its incorporation the population of the town was only one thousand and thirteen (1,013); to-day our population is fully sixteen thousand (16,000). In 1842 the assessed value of taxable property of the town was nine hundred and eighty-eight thousand five hundred and thirteen dollars ($988,513); in 1871 it was fifteen million seven hundred and seventy-five thousand dollars ($15,775,000). The whole amount of money raised by taxation in 1842 was four thousand seven hundred and fifty dollars ($4,750); in 1871 the amount was two hundred and sixty thousand four hundred and sixty

dollars and ninety-five cents ($260,460.95). In 1842 there were but four schools and four teachers in Somerville; to-day there are fifty-two schools and sixty-five teachers. The whole amount of money appropriated for the support of schools in 1842 was eighteen hundred dollars ($1,800); the amount appropriated the last year for the same purpose was fifty-nine thousand four hundred dollars ($59,400). When incorporated as a town, and for two years subsequent thereto, there was not a church edifice within our corporate limits, nor did there exist a religious society distinct from former parish connections; to-day there are eleven church edifices, with as many distinct organized religious societies. It will be seen from this brief enumeration, that our public schools have been one of our most popular and cherished institutions, and always in advance of our progress in wealth and population. They have ever stood high on the public record; and for several years, Somerville has ranked number one in the whole list of towns and cities in the Commonwealth, judged by the amount of money appropriated for each scholar. That the high character of our schools has contributed much toward the rapid and vigorous growth of our town there can be no doubt. They were never as a whole in a more satisfactory condition than at the present time; and I venture but little when I pledge in the name of myself and my associates, that they shall not be permitted to recede from their present high position, from any lack of judicious fostering care on the part of our new City Government.

THE NEW HIGH SCHOOL BUILDING.

The removal within a few days, of the scholars of the high school, from the building occupied by them in past years, to the new and elegant edifice just being completed,

will leave the old high school building unoccupied and subject to such use as you may direct. I respectfully recommend that it be set apart for a City Hall, and used for the purposes of the City Government. With few alterations and small expense, it can be made to afford ample and convenient accommodations for all our wants for several years to come. If this recommendation meets the approval of the City Council, I would suggest that the necessary alterations be at once made, and that they include a thoroughly fire-proof vault, sufficiently large for the safe keeping of the town as well as city records, the preservation of which must forever be of incalculable importance.

THE STREETS.

The proper care of our streets should, and I have no doubt will, receive that attention at your hands which their importance demands. At the present time they are generally in better condition than usual; especially is this the fact in regard to the main thoroughfares. In a city making such rapid growth as ours, and where individual interests and enterprise are constantly opening new streets, the question of accepting and maintaining them by the city is one of daily increasing importance, and will require the exercise of our best judgment in order that the interests of the city and of individual citizens may be alike properly regarded. In this connection I would recommend that a careful attention be given to the provisions of the betterment act, which have so much importance and such salutary bearing upon the question of laying out new streets and the altering of old ones; as they have also in regard to drainage and the construction of sewers. These two subjects are so intimately connected that it is hardly possible, nor is it desirable, to

separate them. With so much presenting itself which requires early attention, and while so little can be accomplished in one year, it is impossible but that individuals must be more or less annoyed by temporary delays; and there will be much less difficulty in deciding what ought to be done than in determining what can best be deferred for a brief season. When and where reasonably practicable, without imposing too heavy taxation upon the people, the want of public improvement surely ought not to retard private enterprise; nor should the waiting patience of individuals be unreasonably taxed.

I trust that by constant vigilance on your part, by reasonably liberal appropriations of money, judiciously and prudently expended, the work of public improvement will be sure and constant, and the just hopes and expectations of our citizens be fully realized.

STREET RAILWAYS.

Closely connected with the matter of streets and highways, are the street railroads which pass through our municipal thoroughfares. They were originally constructed of the T rail on the side of the streets; but having in the judgment of the citizens become practically the cause of too much inconvenience, they were last summer removed from Milk, Washington and Elm streets, and new tracks were constructed in the centre of the streets, with flat rails, and thoroughly paved. This change has proved most beneficial and satisfactory to our people. The same change should be made on Broadway, and I recommend the application of all proper means for its speedy accomplishment. In the matter of common sewers it is your duty to carry out what has been begun, and of perfecting the present system. A considerable extent of sewerage has been constructed, and, so far as I know, the

plan has been proper, and the work well done. You will judge whether any improvements can be made upon the existing plan, and if so you will adopt them.

THE FIRE DEPARTMENT.

Our Fire Department is, as it has been for many years, in a most efficient and satisfactory condition, and is regarded by our people with feelings of just and honest pride, not only for the services it has rendered, but for the manly conduct and bearing of its officers and men.

For the toils, hardships and dangers which firemen encounter, their greatest reward, next to an approving conscience, is in the knowledge, that their labors are properly appreciated by their fellow citizens: and in both these respects, I am sure the Somerville firemen have been richly rewarded. The proper maintenance and encouragement of this indispensible organization is in your keeping.

THE WATER WORKS.

The comfort and convenience of a large proportion of our people have been much enhanced by the introduction of the Mystic water. More than twenty-eight miles of pipe is laid in our streets, with one hundred and forty-six fire hydrants connected therewith, and judiciously distributed over our territory. The former appropriations for the Water Works have been expended, and the responsibility of their further extension, and of making the requisite appropriation therefor, devolves upon you.

THE POLICE DEPARTMENT.

The Police Department of Somerville has increased in numbers and efficiency with our increase in population

and wealth, until it has become of great interest and importance. In my judgment the force is well organized, and the members generally vigilant and faithful to their trust. In every large community a well organized Police is indispensible for the protection of persons and property, and for the maintenance of good order; and although strong by being clothed with the authority of law, its usefulness and efficiency depends much upon the personal character and manly deportment of its individual members, and upon the moral support and sympathy of the citizens, of whose lives and property they are the constant protectors and guardians.

THE SANITARY CONDITION OF THE CITY.

Upon the Health Department rests a great responsibility. It is charged with duties which immediately effect the comfort and well-being of every citizen. Intimately connected with this department is a matter of great importance, and one which demands judicious consideration and efficient action. I allude to the nuisance in Miller's River, caused by an accumulation of filth which covers a large area of flats which are bare at low water. These flats are partly in Somerville and partly in Cambridge, the river being the boundary line between the two cities for a considerable distance, and both are equally responsible for the nuisance. During the "heated term" of last summer, when the tide was out, the stench from these flats was most offensive. The Selectmen of Somerville and the City Government of Cambridge sought by united and harmonious action to improve the condition of this locality. The aid of the State Board of Health was sought, and stringent rules were adopted for the prevention of further corruption of the water; but in the judgment of the authorities

of Cambridge and Somerville, and of the State Board of Health — nothing short of the filling the flats with sand or gravel could cure the existing evil; and such filling cannot be undertaken without permission from the Legislature.

I know you will heartily unite with the authorities of Cambridge in procuring the needed legislation, and in devising the best and most speedy mode for abating the nuisance, and thereby reclaiming a large extent of worthless territory to valuable building land. The improvement contemplated, embraces the construction by the two cities, of a large box sewer of sufficient size to conduct off all the water of the stream, and to serve the purpose for drainage for quite an extent of both localities.

With the requisite legislation granted, it is hoped and expected that the several owners of the flats will at once enter upon the work of filling, and that without any unreasonable delay this great improvement will be accomplished. Of course it will take time to complete these improvements, and the people realizing and acknowledging the fact that the work of a year cannot be accomplished in a day, must endeavor for awhile to cultivate the virtue of patience.

THE CARE OF THE POOR.

The services of the board of Overseers of the Poor, which in the earlier history of our town were hardly required, are now, and have been of late years of much importance in relieving the wants of the destitute and needy. The people will require of their servants that this class be kindly cared for, that necessary aid be cheerfully, not grudgingly bestowed; that none among us shall suffer from want of the necessaries of life, and that no child be kept from school from want of proper

clothing. The Board of Soldiers' Relief have a most sacred duty to perform. The sick and needy of our returned soldiers, who endured hardships and privations, and periled their lives for the preservation of our National Government, are worthy objects of our favor and solicitude. The people of Somerville, who, in the time of their country's need, exhibited so much liberality in encouraging enlistments, and in caring and providing for the wants and comforts of her men in the field and their families at home, will never consent that one of them shall suffer from want, or that he or any one of his family shall ever be classed or treated as a pauper; and especially will they require that the families of our *fallen heroes* shall be regarded with the most tender care. If the occasion permitted, I would gladly say more in regard to the part which our people took in promoting enlistments and furnishing volunteers for the war; but a single statement of Gen. Wm. Schouler, in the second volume of his most valuable "History of Massachusetts in the Civil War," must suffice. After speaking of the great liberality of our people, both men and women, he says: "Somerville furnished eleven hundred and thirty-five men for the war, which was a surplus of one hundred and forty-seven over and above all demands." That statement stands as the proud record of our town, when its population was much less than at present, and that record will forever stand as enduring proof of the patriotism and liberality of its people, who, by their devotion to the public welfare, have in the years that have passed been steadily laying the sure foundation of our city, which is destined at no distant day, to rank favorably among the older cities of our Commonwealth.

FINIS.

Gentlemen of the retiring Board of Selectmen: I cannot let the occasion of entering upon my term of official service pass without expressing to you my appreciation of the magnitude and importance of your public duties during the past year; and also my high appreciation of the fidelity with which those duties have been discharged. In thus expressing to you my own judgment, and my own feelings, I am sure I am but giving utterance to the sentiments of all our citizens who have had opportunity to know and judge of your official action. The faithful manner in which the duties of a long line of town officers have always been performed has been most creditable to them, and most satisfactory to an appreciative public; and I congratulate you that in retiring from public service you carry with you the confidence, the esteem, and the best wishes of our entire community.

Gentlemen of the City Council: The people of Somerville, always confiding and liberal, are ever watchful and exacting in regard to all matters pertaining to the public good; and while they will justify liberal appropriations for the welfare of the city, they will exact of its Government zealous devotion to its various duties, and a judicious economy in the expenditures of the public money. Let us see to it that no duty be neglected, and that not a dollar be wasted!

TREASURER'S

FIRST ANNUAL REPORT

OF THE

FINANCIAL CONDITION

OF THE

CITY OF SOMERVILLE,

AND THE

RECEIPTS AND DISBURSEMENTS;

FOR THE FINANCIAL YEAR

1872.

City of Somerville,

Treasurer's Office, Feb. 24, 1873.

To the Hon. the Mayor and the

City Council of the City of Somerville,

Gentlemen:

In compliance with a requirement of the City Ordinances, the undersigned has the honor to present the following statement of the Financial Condition of the City at the close of, and an account of the Receipts and Disbursements during, the year 1872.

FINANCIAL CONDITION OF THE CITY.

Public Property.

The value of the property of the City at the commencement of the year as appears by a "Statement of the Financial Condition of the Town of Somerville, December 30, 1871," was $649,570.26. The valuation of much of the property comprised in this statement, was from an appraisal of an earlier date; and an inventory taken at the present time would, therefore, give an enhanced value to much of the property. The value of the property acquired during the past year was $81,697.51; making as the total of "Public Property" at the present time $731,267.77, as will be seen by Table A, appended hereto.

The items of the increase the past year are as follows: —

City Hall — for heating apparatus, fire-proof vault, plumbing, gas pipes and fixtures, and window screens,	$4,549 80
for furniture,	3,457 24
Fire Department — for hose-carriage for steamer, valued by Chief Engineer at	1,000 00
for horse for Winter Hill hose-carriage,	375 00
School Contingent — for additional furniture,	4,700 00
High School-house — additional to amount expended in 1871,	10,213 29
Edgerly School-house — additional to amount expended in 1871,	451 38
City Stables — additional to amount expended in 1871,	209 10
Winter Hill Hose-house — additional to amount expended in 1871,	5,298 51
Hose-house in Ward 4 — cost of land,	3,184 86
School-house in Beach Street, — cost of Chapel and land, purchased for school purposes,	5,000 00
Somerville Water Works — additional construction,	43,288 33
Amounting to	$81,727 51
Less safe disposed of, valued by estimate, at	30 00
Making the increase as before stated,	$81,697 51

Funded Debt.

The debt of the City in bonds and notes, at the commencement of the year amounted to $593,349.00. The increase of the funded debt, the past year, was $50,005.-00; making the total of "Funded Debt" at the present time $643,354.00.

By authority of the City Council, bonds of the City have been issued and disposed of, the past year, to the

amount of $172,500.00: of this sum $122,495.00 was applied to the payment of so much of the debt as became due during the year; leaving the increase, as before stated, $50,005.00, which was mainly for the extension of the Water Works and the erection of a Hose-house in Ward 4.

At the commencement of the year a part of the City debt was in bonds and a part in notes: for such of the latter as would not mature during the year, bonds of corresponding amounts, payable at nearly even dates with the notes, have been substituted, by authority of the City Council; the only variation in dates having been the dating of the bonds on the first day of July or October, instead of, as was the case with the notes, a few days prior or subsequent thereto. One advantage in dating all bonds on the first day of January, April, July or October, is, the uniformity in time at which the semi-annual interest will become due; to the obvious convenience of whomsoever may be called upon to provide for its payment. The entire "Funded Debt" of the City, as will be seen by Table B, is now in bonds.

Authority has been given by the Committee on Finance, for a further increase of the funded debt, by the issue of "Sidewalk" bonds for $30,000.00 of the 100,000.00 authorized by the City Council; and also, — making provision for the purchase of the Chapel and land on Beach street, — a bond for $5,000.00. The stringency in the money market has rendered it impossible to negotiate these bonds at a satisfactory rate of interest, and the money has been borrowed temporarily. The disposal of these bonds at some future day, while it will increase the "Funded Debt," will also reduce, correspondingly, "Temporary Loans," and therefore not disturb the aggregate indebtedness of the City.

Available Assets.

The assets of the City, other than the public property already alluded to, amount to $139,776.67, as will be seen by Table C.

Unfunded Liabilities.

The liabilities of the City, other than the funded debt, amount to $161,439.88, as will be seen by Table D.

Property & Debt Balance.

The total assets of the City exceed the entire liabilities $66,250.56 as will be seen by Table E.

RECEIPTS AND DISBURSEMENTS.

Receipts.

The receipts from all sources have been $784,371.66, as will be seen by Table F.

Disbursements.

The aggregate disbursements have been $779,467.86, as will be seen by Table G.

The excess of receipts over disbursements was $4,903.-80; this sum being a part of the available assets at the close of the year, as in Table C.

The excess of appropriations for current expenses, over the expenditures therefor, was $1,513.25 to the credit of Excess & Deficiency account, as will be seen by Table H.

In addition to the appropriations for current expenses and for the State and County taxes, there was appropriated for the extension of the Water Works, $40,000; for the Construction of Sidewalks, $100,000; for the purchase of the Baptist Chapel, $5,000; and for the erection of a Hose House in Ward 4, $10,000. The unexpended balances of these appropriations are, Sidewalks $66,837.89; Hose House in Ward 4, $6,815.14, as in Table D.

Respectfully submitted.

AARON SARGENT,

Treasurer.

Table A.

PUBLIC PROPERTY, DECEMBER 31, 1872.

Central Hill Land, (13 acres, 1,603.6 feet) .		$66,108 99
City Hall, ...	$12,049 80	
Furniture, ...	4,247 24	
		$16,297 04
Steam Fire Engine House, . .	$20,576 31	
Steam Fire Engine and Apparatus, .	6,000 00	
Steam Fire Engine Hose Carriage and Apparatus, ...	4,500 00	
		$31,076 31
High School-house, . . .	$59,919 45	
Furniture, ...	3,300 00	
Philosophical Apparatus, . . .	500 00	
		$63,719 45
Prescott School-house Land (21,444 feet) and Building, . . .	$42,650 00	
Furniture, ...	3,050 00	
		$45,700 00
Prospect Hill School-house Land (25,313 feet) and Building, .	$12,600 00	
Furniture, ...	1,650 00	
		$14,25 00
Forster School-house Land (32,693 feet) and Building, . . .	$43,100 00	
Furniture, ...	1,900 00	
		$45,000 00
Morse School-house Land (29,109 feet) and Building, . . .	$28,885 89	
Furniture, ...	1,325 00	
		$30,210 89
Amount carried forward, ...		$312,362 68

Amount brought forward, . . .		$312,362 68
Lincoln School-house Land (18,000 feet) and Building, . . .	11,750 00	
Furniture, ...	950 00	
		12,700 00
Jackson School-house Land (8,015 feet) and Building, ...	6,400 00	
Furniture, ...	825 00	
		7,225 00
Bennett School-house Land (20,560 feet) and Building, ...	11,750 00	
Furniture, ...	750 00	
		12,500 00
Webster School-house Land (11,050 feet) and Building, ...	11,950 00	
Furniture, ...	550 00	
		12,500 00
Union School-house Land (9,360 feet) and Building, ...	1,875 00	
Furniture, ...	125 00	
		2,000 00
Harvard School-house Land (9,810 feet) and Building, ...	1,300 00	
Furniture, ...	200 00	
		1,500 00
Edgerly School-house Land (26,428 feet) and Building, ...	25,185 00	
Furniture, ...	500 00	
		25,685 00
Brastow School-house Land () and Building, ...	6,100 00	
Furniture, ...	400 00	
		6,500 00
Franklin School-house Land () and Building, ...	12,200 00	
Furniture, ...	500 00	
		12,700 00
Spring Hill School-house Land (4,991.7 feet) and Building, ...	1,200 00	
Furniture, ...	200 00	
		1,400 00
Amount carried forward, . . .		$407,072 68

Amount brought forward, . . .		$407,072 68
City Farm Land (10 acres 12,523.5 feet)		5,000 00
Cedar Street School-house, . .	900 00	
Furniture, ...	100 00	
		1,000 00
City Stables and Dwelling House, .	11,089 18	
Equipments for Highway repairs, .	4,800 00	
		15,889 18
No. 1 Hose House Land (4,312 feet) and Building, ...	3,000 00	
John E. Wool Hose Carriage & Apparatus,	2,900 00	
		5,900 00
No. 2 Hose House Land (5,400 feet) and Building, ...	10,094 98	
Winter Hill Hose Carriage (old Steamer carriage) and Apparatus, . .	2,075 00	
		12,169 98
No. 3 Hose House Land () and Buildings, ...	9,100 00	
Geo. H. Foster Hose Carriage & Apparatus,	3,109 88	
Prescott Hook and Ladder Carriage and Apparatus, ...	500 00	
Hand Engine, ...	800 00	
		13,509 88
Police Station Land () and Buildings,		4,500 00
Joy Street Land (2,960 feet) . . .		300 00
Walnut Hill Land (10,890 feet) . . .		400 00
Ledge Land,—on Bond Street (39,732 feet)	1,900 00	
" Broadway (5 acres 25 rds)	3,700 00	
" Milk Street, . .	2,000 00	
		7,600 00
Gravel Land in town of Winchester, (2 acres), .		700 00
School-house Land in Beach Street, (6,000 feet), and Building, ...		5,000 00
Hose House Land in Ward 4, (9,099.6 feet,) .		3,184 86
Somerville Water Works, ...		245,686 76
Spring Hill Hose Carriage and Hose, . .		1,527 22
West Somerville Hose Carriage, (old Winter Hill) and Hose, ...		1,527 21
School Furniture in Vinal's Hall, . . .		300 00
		$731,267 77

Table B.

FUNDED DEBT, DECEMBER 31, 1872.

Date.	Loan.	Rate per cent. of Interest.	When Due.	Amount.
April 1, 1870 .	Water Bond, No. 5 . .	7	April 1, 1873 .	$20,000
Dec. 1, 1869 .	Town " No. 2 . .	7	Dec. 1, 1874 .	35,000
" " .	School " No. 1 . .	7	" " .	27,000
Jan. 1, 1869 .	Water " No. 1 . .	6½	Jan. 1, 1879 .	10,000
" " .	" " No. 2 . .	6½	" " .	10,000
" " .	" " No. 3 . .	6½	" " .	10,000
July 1, 1872 .	City " No. 2* .	5½	July 1, 1879 .	5,454
Oct. 1, 1859 .	Town " No. 1 . .	5½	Oct. 1, 1879 .	14,400
July 1, 1870 .	" " No. 3 . .	6½	July 1, 1880 .	55,000
Oct. 1, 1870 .	" " No. 4 . .	6½	Oct. 1, 1880 .	21,500
" " .	Water " No. 6 . .	6½	" " .	40,000
Dec. 31, 1870 .	" " No. 7 . .	6½	Jan. 1, 1881 .	20,000
" " .	Town " No. 5 . .	6½	" " .	5,000
" " .	School " No. 2 . .	6½	" " .	3,000
April 1, 1871 .	" " No. 3 . .	6½	April 1, 1881 .	60,000
Oct. 1, 1871 .	Water " No. 8 . .	6½	Oct. 1, 1881 .	10,000
" " .	" " No. 9 . .	6½	" " .	10,000
" " .	" " No. 10 .	6½	" " .	10,000
" " .	" " No. 11 .	6½	" " .	10,000
" " .	Town " No. 6 . .	6½	" " .	10,000
" " .	" " No. 7 . .	6	" " .	2,000
" " .	" " No. 8 . .	6½	" " .	11,500
" " .	School " No. 4 . .	6½	" " .	25,000
April 1, 1872 .	City " No. 1 . .	6½	April 1, 1882 .	17,500
July 1, 1872 .	" " No. 3 . .	6½	July 1, 1882 .	5,000
" " .	" " No. 4 . .	6½	" " .	5,000
" " .	" " No. 5 . .	6½	" " .	10,000
" " .	" " No. 6 . .	6½	" " .	10,000
" " .	Water " No. 12 .	6½	" " .	50,000
" " .	" " No. 13 .	6½	" " .	40,000
" " .	City " No. 8 . .	6½	" " .	10,000
" " .	" " No. 9 . .	6½	" " .	5,000
" " .	" " No. 10 .	6½	" " .	10,000
Oct. 1, 1872 .	" " No. 11 .	6½	Oct. 1, 1882 .	5,000
" " .	" " No. 12 .	6½	" " .	5,000
July 1, 1872 .	" " No. 7* .	5½	July 1, 1884 .	20,000
Oct. 1, 1872 .	" " No. 13* .	6	Oct. 1, 1884 .	6,000
" " .	" " No. 14* .	6	" " .	5,000
" " .	" " No. 15* .	6	" " .	5,000
" " .	" " No. 16* .	6	" " .	5,000
" " .	" " No. 17* .	6	" " .	5,000
				$643,354

* Substituted for Note of the Town.

Table C.

ASSETS NOT INCLUDED IN PUBLIC PROPERTY, DECEMBER 31, 1872.

Taxes, 1871, uncollected,	$405 72
Taxes, 1872, "	24,495 04
Highway Betterment Assessments, uncollected,	6,265 33
Sewer Assessments, uncollected	10,844 32
Sidewalk Assessments, uncollected,	12,938 12
Somerville Water Works, overdrawn,	2,575 65
State of Mass. — State Aid, due from the State,	3,695 66
Appropriations, special, unexpended,	73,653 03
Cash,	4,903 80
	$139,776 67

Table D.

LIABILITIES OTHER THAN FUNDED DEBT, DECEMBER 31, 1872.

Temporary Loans,	$78,500 00
Public Library, to credit of account,	2,237 76
Sundry Persons, bills unpaid,	628 75
Sidewalks, appropriation unexpended,	66,837 89
Hose House in Ward 4, appropriation unexpended,	6,815 14
Overlay & Abatement, balance to cr. of acct.	4,907 09
Excess & Deficiency, balance to cr. of acct.	1,513 25
	$161,439 88

Table E.

PROPERTY & DEBT BALANCE, DECEMBER 31, 1872.

Public Property, as per table A,	731,267 77	
Available Assets, as per table C,	139,776 67	
		871,044 44
Funded Debt, as per table B,	643,354 00	
Unfunded Liabilities, as per table D,	161,439 88	
		804,793 88
Property Balance,		$66,250 56

Table F.

RECEIPTS DURING THE YEAR 1872.

Funded Debt.

Amounts obtained on bonds issued as authorized by the City Council.		
Bonds Nos. 1, 3, 4, 5, 6, 8, 9, 10, 11 and 12 City Loan, . - . . .	82,500	
Bonds Nos. 12 and 13 Water Loan,	90,000	
		$172,500 00

Temporary Loans.

Amounts borrowed by authority of the City Council.		
Jan. 23, Boston Five Cents Savings Bank, payable Oct. 23, . . .	$35,000	
April 1, Warren Institution for Savings, payable Nov. 1, ...	25,000	
May 27, Mercantile Savings Institution, payable Oct. 27, ...	40,000	
June 29, Charles Tufts, payable Oct. 1,	1,400	
July 1, New Eng. Trust Co., payable Dec. 1,	50,000	
July 1, Mass. Hospital Life Ins. Company, payable Dec. 31, ...	50,000	
Dec. 31, through Cowles, Lovejoy & Co., payable March 31, $10,000 and $15,000,	25,000	
Dec. 31, J. T. Glines, payable on demand,	3,500	
Dec. 31, Mass. Hospital Life Ins. Company, payable Feb. 28, ...	$50,000	
		$279,900 00

Available Assets.

Sums received which cannot properly be credited to any specific department.

Town of Somerville, balance in Treasury, Dec. 31, 1871, . . .		$13,020 12	
State of Mass. corpora'n taxes, $4,760 82 less Bank taxes previously overpaid, . . .	23 69	$4,737 13	
			$17,757 25
Amount carried forward, . . .			$470,157 25

Amount brought forward, . . .			$470,157 25
Taxes, 1870.			
Amount uncollected Jan. 1, 1872, .		$179 60	
Since abated, ...		124 10	
			55 50
Taxes, 1871.			
Amount uncollected Jan. 1, 1872, .		2,087 18	
Since abated, . .	1,237 06		
Uncollected Dec. 31, 1872,	405 72	1,642 78	
			444 40
Taxes, 1872.			
Assessed on $22,755,325, at $13 on a thousand, and on polls $8,210 am't as per Assessors' warrant,		304,028 32	
Abatements, net,	4,746 78		
Uncollected, . .	24,495 04	29,241 82	
			274,786 50
Estate of Benjamin Randall.			
Amount due the town as per statement Dec. 31, 1871, ...		4,060 46	
Not allowed by Commissioners in Insolvency, ...		446 09	
Received of administrator and bondsmen,			3,614 37
City Hall Alterations.			
Received for materials sold, ...			15 00
Fire Department.			
Received for horse sold, . . .		200 00	
for manure, ...		24 00	
			224 00
Highways.			
Received of Boston & Lowell Railroad, repairs on drain, . . .		15 00	
for rent of ledge, . . .		25 00	
			40 00
Amount carried forward, . . .			$749,337 02

Amount brought forward, . . .		$749,337 02
Highway Betterment Assessments.		
Am't of Mayor and Aldermen's warrants,	$7,189 46	
Uncollected, ...	6,265 33	
		924 13
Interest.		
Received as follows:		
On deposits in Banks, . .	$1,695 41	
From delinquent tax-payers, . .	1,758 80	
On bonds issued, accrued interest at time of negotiating, .	592 79	
Sundries, ...	3 78	
		4,050 78
Miscellaneous.		
Received as follows:		
Fees on two lots of land sold for non-payment of sewer assessments, .	$11 50	
State of Mass. militia bounty, . .	566 00	
Chas. E. Gilman, fees as City clerk for recording liens and mortgages, .	83 30	
for marriage certificates, . .	77 50	
		738 30
Miscellaneous *(Watering Streets.)*		
Received of sundry persons as their proportional part of the cost of watering certain streets, .		1,444 00
Police.		
Dividend received on Insurance policy on Station,		10 80
School Contingent.		
Received as follows:		
For use of Prescott Hall, . .	$180 00	
Forster Hall, . .	84 00	
Morse Hall, . . .	56 00	
Tuition of non-resident pupils, .	221 50	
Dividend on Ins. pol. Bell school-house,	19 80	
Damage done to fences and walks, .	4 50	
		465 80
Amount carried forward, . . .		$756,970 83

Amount brought forward, . . .			$756,970 83
Sewers.			
Received for materials sold, ...			2 78
Sewer Assessments, 1870.			
Amount uncollected Jan. 1, 1872, .		801 00	
since abated, ...		506 00	
			295 00
Sewer Assessments, 1871.			
Amount uncollected Jan. 1, 1872,	7,474 16		
additional since, . .	66 00		
		7,540 16	
since abated, . . .		1,048 02	
			6,492 14
Sewer Assessments, 1872.			
Am't of Mayor and Aldermen's warrants,		18,106 95	
Abatements, . .	291 24		
Uncollected, . .	10,844 32	11,135 56	
			6,971 39
Sidewalk Assessments.			
Am't of Mayor and Aldermen's warrants,		16,780 15	
Abatement, . .	21 75		
Uncollected, . .	12,938 12	12,959 87	
			3,820 28
State of Massachusetts — *(State Aid.)*			
Am't charged by the town as paid in 1871,		4,080 46	
Not allowed by State, . .		380 46	
			3,700 00
Street Lights.			
Received of sundry persons for lamp posts, located, ...		235 00	
Of Fitchburg R. R. for extra gas consumed at E. Cambridge crossing,		5 44	
			240 44
Amount carried forward, . . .			$778,492 86

Amount brought forward, . . .			$778,492 86
Water Distribution.			
Received as follows: —			
Mystic Water Board of Charlestown, return on water rates,			
15 % on $20,000, . .	3,000 00		
20 % or 3,599 54, . .	719 91		
		3,719 91	
On water bonds issued, accrued interest to date of negotiation, . . .		937 66	
			4,657 57
Miscellaneous, 1871.			
Received as follows: —			
State of Massachusetts, rent of Armory,		200 00	
Catholic Society, for use of Forster Hall, to Dec. 31, 1871, . . .		156 00	
sundries, ...		81 00	
			437 00
School Contingent, 1872.			
Received dividend on Insurance policy, . . .			13 25
Support of Poor, 1871.			
Received as follows, for support of paupers:			
State of Massachusetts, . . .		228 34	
sundry cities and towns, . .		315 60	
			543 94
Water Distribution, 1871.			
Received of the Mystic Water Board of Charlestown, return on water rates,			
15 % on $1,473.99, . . .		221 10	
20 % on 29.68, ...		5 94	
			227 04
Total receipts, . . .			$784,371 66

Table G.

DISBURSEMENTS DURING THE YEAR 1872.

Funded Debt.

Payments as follows:

East Cambridge Five Cents Savings Bank, note dated April 3, 1867,	$10,000	
Warren Institution for Savings, note dated May 16, 1862,	7,495	
Water bond, No. 4,	50,000	
Boston Five Cents Savings Bank, note dated July 1, 1867,	30,000	
Warren Institution for Savings, note dated July 1, 1867,	5,500	
note dated Aug. 25, 1867,	12,000	
Levi Jones, note dated Nov. 25, 1862,	5,000	
John Peabody, note dated Dec. 2, 1867,	2,500	
		$122,495 00

Temporary Loans.

Payments as follows:

Chas. Tufts, note dated June 29, 1872,	$1,400	
Boston Five Cents Savings Bank, note dated Jan. 23, 1872,	35,000	
Mercantile Savings Institution, note dated May 27, 1872,	40,000	
Warren Institution for Savings, note dated April 1, 1872,	25,000	
New England Trust Co., note dated July 1, 1872,	50,000	
Massachusetts Hospital Life Ins. Co., note dated July 1, 1872,	50,000	
		201,400 00

High School House.

Paid W. & J. Rawson, contractors, balance of contract and for extra work,	$6,772 59	
A. Wentworth, for tablet and cap,	175 00	
G. W. Walker & Co., balance for heating apparatus,	1,146 50	
Walburg & Sherry, fresco work,	750 00	
S. J. F. Thayer, architect, balance of bill,	91 00	
Sundry bills for labor,	527 62	
Sundry bills for materials furnished,	750 58	
		10,213 29
Amount carried forward,		$334,108 29

Amount brought forward, ...		$334,108 29
Edgerly School House.		
Paid G. W. Walker & Co., for furnace and fixtures, ...	$309 10	
Wm. Mills & Co., plumbing, .	142 28	
		451 38
School House in Beach Street.		
Paid for Chapel and land, ...		5,000 00
City Stables.		
Paid Mystic Water Board of Charlestown for piping, &c.	$174 10	
L. J. Hughes, for painting fence, &c.	35 00	
		209 10
Winter Hill Hose House.		
Paid D. L. Lord, contractor, balance of contract, . . .	$4,758 72	
Naylor & Co., for bell and hammer,	286 50	
Sundry bills for labor, . .	222 17	
Sundry bills for materials furnished,	31 12	
		5,298 51
Hose House in Ward 4.		
Paid for land, ...		3,184 86
Somerville Water Works.		
Paid Patent Water and Gas Pipe Co., for pipe furnished and laid,	$27,986 07	
Boston Machine Co., for hydrants and gates, ...	3,900 76	
G. W. Trefren, for gate boxes, &c.	305 77	
Cook, Rymes & Co. for gate-covers, frames, &c., . . .	669 29	
R. A. Vinal, superintendent, .	450 00	
Pay-rolls for labor, — trenching, .	9,457 82	
Sundry bills for materials furnished, &c. . . .	518 62	
		43,288 33
Amount carried forward, . .		$391,540 47

Amount brought forward, . . .		$391,540 47
State of Massachusetts.		
Paid State Treasurer, State tax, . . .		17,960 00
County of Middlesex.		
Paid County Treasurer, county tax, . .		10,414 45
Central Hill Grading.		
Paid Geo. F. Meacham for plan, . .	$100 00	
Bernard McCarroll, labor, .	192 00	
James Towle, " . . .	28 00	
		320 00
City Hall Alterations.		
Paid P. & W. S. White, carpenter work,	$1,270 39	
A. M. Sibley, mason work, . .	613 72	
J. Q. Twombly, painting, . . .	575 07	
Wm. Mills & Co., plumbing, . .	267 32	
S. J. F. Thayer, architect, . .	200 00	
Cook, Rymes & Co., vault doors, .	350 00	
E. R. Morse, locks, ...	108 00	
Morse & Whyte, wire work, . .	278 01	
Mystic Water Board, Charlestown, service pipe, &c. . . .	108 51	
City sewer assessment, . . .	336 94	
T. S. Clogston, &c., heating apparatus,	2,287 00	
Wallburg & Sherry, frescoing, .	860 00	
Massachusetts Brick Co., brick, . .	389 20	
Sundry bills for gas pipes and fixtures,	319 48	
J. H. Pray & Co., carpets, .	1,059 95	
Lawrence, Wilde & Hull, furniture,	2,188 25	
Sundry bills for furniture, . .	209 04	
Sundry bills for materials furnished,	326 68	
Sundry bills for labor, . . .	195 29	
Insurance, — builders' permit, .	39 50	
		11,982 35
Fire Department.		
Paid Chief Engineer, salary, . .	$399 99	
Four Assistant Engineers and Secretary, salaries, . .	853 12	
Amounts carried forward, . .	$1253 11	$432,217.27

Amounts brought forward, .	$253 11	$432,217.27
Paid Steamer Company, . . .	767 50	
John E. Wool Hose Co., . .	1,255 00	
Winter Hill Hose Co., . .	1,111 25	
Geo. H. Foster Hose Co., . .	705 00	
Prescott Hook and Ladder Co., .	1,063 10	
Steamer Engineer, . . .	1,020 00	
Steamer Fireman, (8 months,) .	560 00	
Steamer Driver, . . .	840 00	
Steamer Hose Carriage Driver, .	840 00	
G. H. Foster Hose Carriage Driver, .	840 00	
Running Hook and Ladder Carriage,	300 00	
Mystic Water Board, Charlestown, water for hydrants, . .	616 00	
Hugh Blackwell, care of hydrants,	150 00	
Grain bills, ...	274 84	
Fuel bills, ...	403 42	
Hay and straw bills, . . .	543 25	
Blacksmithing bills, . . .	155 57	
Gas bills, ...	202 35	
Paving at Winter Hill Hose House,	166 60	
Furniture bills, ...	461 18	
John Nason for horse, (to replace one sold,)	375 00	
Alanson Bond, horse for Winter Hill Hose Carriage, . . .	375 00	
Dole & Osgood, for Hose Carriage and repairing Hose Carriage, .	900 00	
Repair bills on apparatus, . . .	774 94	
Repair bills on buildings, . .	725 34	
C. Holmes, heating apparatus, . .	98 37	
Sundry bills for Insurance, refreshments, materials furnished, and labor performed, . . .	1,399 54	
	18,176 36	
Less sums trusteed — retained,	88 75	
		$18,087 61
Amount carried forward, . . .		$450,304 88

Amount brought forward, ...		$450,304 88

Health Department.

Paid C. L. O'Neil, for removing house offal 6 mos. to Dec. 26, . . .	$1,525 00	
Dr. H. A. Martin, for vaccine virus,	1,620 00	
Sundry persons for services in small pox cases, ...	1,234 32	
H. W. Kimball, for burying dead animals, ...	128 00	
Sundry bills for gravel to fill low land,	333 00	
Sundry bills for services, &c., .	134 60	
		$4,974 92

Highways.

Paid monthly pay rolls for labor, . .	$18,954 85	
D. & H. Gore, paving, . .	6,616 49	
Turner, Kidney & Co., paving, .	5,810 05	
B. F. Ricker, labor, . . .	814 50	
Boston, Lowell & Nashua Railroad moving gravel from Winchester,	742 50	
B. McCarroll, labor and teaming, .	1,347 00	
Edwin Burke, " "	342 00	
John McKenna, " " .	1,364 00	
Dennis Crimmings," "	291 00	
D. O'Brien, " " .	990 00	
B. Manning, " "	354 00	
F. Bottamer, " " .	411 00	
Henry Gray, " "	288 00	
J. McCarty, " " .	200 00	
C. A. Mongan, " "	228 00	
J. Riley, " " .	237 00	
C. J. Barry, for cement, . .	345 72	
G. W. Wyatt, for brick, . .	837 30	
Dole & Osgood, for four carts, .	420 00	
J. Nason, for two horses, . .	600 00	
Stone and gravel bills, . .	2,493 73	
Grain bills, ...	1,493 86	
Amounts carried forward, . .	$45,181 00	$455,279.80

Amounts brought forward, .	$45,181 00	$455,279.80
Paid Hay and straw bill, . . .	546 65	
A. Parker, for street curbs, . .	589 63	
Blacksmithing bills, . . .	780 57	
Town of Medford, one half cost of building bridge over Mystic river at Boston avenue, ...	1,010 49	
Sundry bills for materials furnished, &c., &c., ...	1,638 12	
F. Henderson, salary as Superintendent of Streets, . . .	1,400 00	
		51,146 46

Highways. *(Highland Avenue Extension.)*

Paid Scanlan & Trenholm, balance on contract to build, and extras, .	4,857 05	
Jesse Simpson, for gravel, . .	250 75	
Engineering, ...	25 00	
Cost of moving hydrant, . . .	71 35	
Sundries, ...	74 50	
		5,278 65

Highways. *(Putnam Street.)*

Paid C. A Mongan, balance on contract to build, and extras, . . .	1,029 00	
Engineering, ...	35 00	
Cost of lowering water pipe, .	283 87	
Awards of damages by the Mayor and Alderman, ...	1,550 00	
	2,897 87	
Less award of damages not accepted,	500 00	
		2,397 87

Highways. *(Prescott Street.)*

Paid Bernard McCarroll, for constructing street, ...	$3,067 00	
Engineering, ...	35 00	
		3,102 00
Amount carried forward, . . .		$517,204 78

Amount brought forward, ...		$517,204 78
Interest.		
(On Funded Debt.)		
Paid East Cambridge Savings Bank, 6 months interest on note for $10,000 to April 3, ...	$350 00	
Warren Institution for Savings, 5 months and 8 days' interest on note for $7,495 to May 24, . .	189 15	
Warren Institution for Savings, 6 mos. interest on note for $5,500 to July 1, ...	192 50	
Warren Institution for Savings, 12 mos. interest on note for $12,000 to August 25, ...	840 00	
Warren Institution for Savings, 12 months and 8 days' interest on notes for $21,000 to Oct. 1, .	1,288 00	
Warren Institution for Savings, 10 mos. interest on note for $5,000 to Oct. 1, ...	250 00	
Margaret Crudden, 6 months and 4 days' interest on note for $20,000 to July 1, ...	565 56	
Lucy Bell, 11 months and 3 days' interest on note for $5,454 to July 1, ...	276 67	
Boston Five Cents Savings Bank, 10 mos. interest on note for $30,000 to July 1, ...	1,750 00	
Levi Jones, 12 mos. interest on note for $5,000, to Nov. 25, . .	300 00	
John Peabody, 12 mos. interest on note for $2,500 to Dec. 2, . .	175 00	
Coupons of Town Loan Bonds, Nos. 1, 4, 6, 7, and 8 to Oct. 1, 1872, No. 2 to Dec. 1, 1872, and Nos. 3 and 5 to Jan. 1, 1873, . . .	9,750 33	
Amounts carried forward, . .	$15,827 21	$517,204.78

Amounts brought forward, .	$15,827	21	$517,204.78
School Loan Bonds, Nos. 3 and 4 to Oct. 1, 1872, No. 1 to Dec. 1, 1872, and No. 2 to Jan. 1, 1873,	7,253	40	
City Loan Bonds, No. 1 to Oct. 1, 1872, and Nos. 2, 3, 4, 5, 6, 7, 8, 9 and 10 to Jan. 1, 1873, . .	3,002	08	
	$26,182	69	

(On Temporary Loans.)

Paid Charles Tufts, on note, . .	21	47	
Boston Five Cents Savings Bank, on note, ...	1,837	50	
Mercantile Savings Inst., on note, .	1,166	67	
Warren Inst. for Savings, on note, .	1,020	83	
New England Trust Co., on note, .	1,354	17	
Mass. Hospital Life Ins. Co. on note,	1,625	00	
	$7,025	64	

RECAPITULATION.

On Funded Debt, . . .	$26,182	69	
" Temporary Loans, . .	7,025	64	
			33,208.33

Miscellaneous.

Paid Hooper, Lewis & Co. for account-books and stationery, ...	$457	26	
Cutter, Tower & Co. for account-books and stationery, ...	259	83	
J. A. Cummings & Co. printing, .	554	85	
advertising, .	194	88	
Sundry bills for printing and stationery,	163	38	
Grand Army of the Republic, for Memorial day, ...	350	00	
G. F. Morgan, for list of conveyances of real estate for assessors' use,	233	70	
Sundry bills for drinking fountain on Broadway, ...	263	11	
Amounts carried forward. . .	$2,477	01	$550,413.11

Amounts brought forward, .	$2,477 01	$550,413.11	
Paid S. Z. Bowman, extra compensation as City Solicitor, . . .	1,000 00		
W. W. Dow, extra compensation as City Physician, . . .	200 00		
E. L. Gilman, assistance to City Clerk,	300 00		
H. A. Adams, assistance to City Treasurer, ...	150 00		
Union Hall Co., for use of Hall, .	97 66		
C. S. Lincoln, professional services,	169 06		
Watchman at City Hall, . .	228 00		
Ward Clerks, ...	100 00		
A. Caswell, care of Flag-staff, .	50 00		
H. Blackwell, damage to horse, .	50 00		
H. Carney, damage to estate by flow of surface water, . . .	125 00		
Edward Burke, damage sustained on highway, ...	100 00		
C. Trull and T. C. Joslyn, pound-keepers,	50 00		
Co. B., 5th Reg. M. V. M., military services, (refunded by State) .	566 00		
Co. B., 5th Reg. M. V. M., military services, (to be refunded by State)	234 08		
Joint Commission of the Legislature on Miller's river nuisance, .	2,186 58		
Expenses of hearing on Miller's river nuisance, ...	201 32		
Town of Medford, City's proportion of expenses on Avenue over Mystic River, ...	105 85		
A. T. C. Daniels, assistance to assessors,	50 00		
Brine & Clark, for fuel, . .	129 20		
Alfred Mudge & Son, for printing Town Reports of 1871, . .	775 00		
Alfred Mudge & Son, for printing City Ordinances, etc., . . .	403 29		
Sundry bills for services rendered and articles furnished, . . .	2,075 55		
		11,823 60	
Amount carried forward, ...		$562,236 71	

Amount brought forward, ...		$562,236 71
Miscellaneous (*Watering Streets.*)		
Paid Mystic Water Board of Charlestown, for water, ...	$150 00	
Charles Linehan, for watering, .	1,864 66	
		2,014 66
Police Court Department.		
Paid Jairus Mann, Constable of Court, from July 18, to Dec. 31, at $500. per annum, ...	$226 40	
C. W. Dailey, carriage hire, . .	13 00	
W. J. London, expressing, . .	1 00	
		240 40
Police.		
Paid M. C. Parkhurst, Chief, . .	$1,500 00	
R. R. Perry, night, . .	1,098 00	
Edward McGarr, " . . .	1,098 00	
E. W. Hudson, " . .	1,098 00	
C. C. Cavanagh, " . . .	1,098 00	
O. H. Webber, " . .	1,098 00	
S. C. Rollins, " . . .	1,095 00	
J. B. Alden, " . .	1,065 00	
Jairus Mann, " . . .	600 00	
C. D. Clark, " . .	498 00	
S. A. Brown, day, . . .	903 00	
J. E. Coolidge, " . .	903 00	
J. W. Oliver, " . . .	815 00	
C. D. Clark, " . .	502 50	
P. W. Skinner, " . . .	382 50	
Extra and Special Officers, .	1,473 75	
Sundry bills for fuel, gas, washing, etc.	248 92	
		15,476 67
Salaries.		
Paid George O. Brastow, Mayor, .	$1,000 00	
Charles E. Gilman, City Clerk, .	2,000 00	
Aaron Sargent, Treasurer, . .	2,500 00	
S. Z. Bowman, City Solicitor, .	900 00	
Amounts carried forward, . .	$6,400 00	$579,968.44

Amounts brought forward, . .	$6,400	00	$579,968.44
Paid C. E. Elliot, City Engineer, . .	1,500	00	
W. W. Dow, City Physician, .	300	00	
Sol. Davis, Clerk Common Council,	200	00	
J. C. Magoun, Assessor, . .	600	00	
Thos. Cunningham, Assessor, .	600	00	
S. M. Smith, " . .	600	00	
C. A. Jenks, Assistant Assessor, 53 days at $4.00, . . .	212	00	
E. C. Mann, Assistant Assessor, 40 days at $4.00, . . .	160	00	
F. G. Williams, Assistant Assessor, 40 days at $4.00, . . .	160	00	
J. H. Brookhouse, Assistant Assessor, 34 days at $4.00, . . .	136	00	
M. C. Parkhurst, City Messenger, .	100	00	
Jairus Mann, City Messenger, from July 18, to Dec. 31, . .	226	40	
			$11,194 40

School Contingent.

(By the Committee on Public Property.)

Paid Charles Holmes, stove work in sundry school-houses, . . .	$565	54	
C. B. Pyne, painting school-houses,	400	00	
J. D. Hills, carpenter work, . .	543	55	
A. M. Sibley, mason work, . .	231	63	
J. Q. Twombly, painting and glazing,	137	89	
P. & W. S. White, carpenter work,	477	15	
Edward Early, repairing roofs, .	462	23	
W. G. Shattuck, furniture, . .	1,514	38	
Sundry bills for labor, etc., . .	513	18	
D. Brooks, mason work at Prescott school-house, ...	829	34	
P. & W. S. White, carpenter work at Prescott School-house, . .	426	22	
S. H. Allen, plumbing at Prescott school-house, ...	236	50	
J. Q. Twombly, painting at Prescott school-house, ...	33	36	
Sundry Ins. Co.'s prem. for ins. consequent on suspension of Ins. Co.'s,	2,352	00	
	$8,722	97	
Amount carried forward, ...			$591,162 84

Amount brought forward, ...		$591,162 84
(By the School Committee.)		
Paid Janitors, ...	$1,919 43	
J. H. Davis, salary as superintendent,	2,000 00	
R. A. Vinal, rent of hall, . .	425 00	
Union Hall Co., " " . . .	123 57	
Sundry bills for gas, . . .	475 86	
Lee & Shepard, for books, . . .	88 80	
Sundry bills, stove work, plumbing, &c.,	532 56	
L. Arnold, carpenter work, . .	296 82	
Sundry bills for carpenter work, .	354 91	
Sundry bills for printing, . .	330 32	
T. Groom & Co., for steel pens, . .	100 00	
J. L. Hammett, for stationery, etc.,	656 54	
Sundry Teachers, books furnished pupils,	225 16	
W. G. Shattuck, for furniture . .	1,773 20	
J. A. Hughes & Co., " . .	432 00	
Davis, Tavener & Norris, " . .	749 35	
N. E. Carpet Co., for carpets, . .	268 81	
Brine & Clark, for fuel, . . .	4,424 73	
Sundry bills for labor, materials, etc.,	1,824 42	
	$17,001 48	
RECAPITULATION.		
By Com. on Public Property, . .	$8,722 97	
School Committee, . . .	17,001 48	
		$25,724 45

School Teachers' Salaries.

A detailed statement of the sums paid the several teachers during the year, would not give the annual compensation as at present established; the salaries having been raised on the first of Sept. last to $2,200, for High school Principal; $1,800, for High school First Assistant, and each Grammar school Principal; $850, for each of the other High school Assistants; and from $375. to $650., each for Grammar school Assistants, and Primary school teachers, etc. The aggregate amount paid during the year was, ... $47,340 67

Amount carried forward, ... $664,227 96

Amount brought forward, ...		$664,227 96
Sewers.		
Paid I. C. Cushing, for constructing sewer in Washington and Prospect Sts.	2,199 24	
School Street, . . .	1,770 00	
School Street, . . .	449 25	
Mongan & Terry, for constructing sewer in Myrtle Street, .	1,812 85	
Franklin Avenue, . . .	785 12	
Bow Street, . . .	832 57	
Daniel Brooks, for constructing sewer in New Florence Street, .	930 00	
W. H. Winslow, for constructing sewer in Bonair Street, . .	2,663 40	
Pearl Street, ...	1,908 00	
Mossland Street, . .	653 25	
E. A. Foster, for constructing sewer in Benedict Street, . .	953 70	
South Street, . . .	513 20	
Bernard McCarroll, for constructing sewer in Waverley, Washington and Franklin Streets, . .	8,480 72	
Walnut Street, . . .	2,010 30	
Prospect Street and Concord Avenue, (on account) . .	500 00	
C. A. Mongan, for constructing sewer in Mt. Vernon Street, . .	459 90	
G. W. Wyatt, for brick for Washington and Prospect Streets sewer, .	619 50	
E. A. Foster, for brick for School St. sewer, ...	52 50	
Superintendent of construction,—salary,	934 00	
Sundry bills for labor, etc., .	592 09	
	$29,119 59	
Less awarded as extra on sewer, and not accepted, . . .	40 00	
		$29,079 59
Amount carried forward, ...		$693,307 55

Amount brought forward, ...		$693,307 55

Sidewalks.

Paid monthly pay rolls for labor, . .	$2,068 46	
D. & H. Gore, paving, . .	16,624 51	
Turner, Kidney & Co., paving, .	10,635 12	
Mass. Brick Co., for brick, .	7,173 50	
Collins & Turner, " . .	1,000 00	
J. P. Sanborn, " . .	74 00	
James Shute, " . .	1,480 12	
O. S. Foster, " . .	372 00	
C. N. Ingalls, " . .	546 00	
Cary Improvement Co., for brick,	5,360 95	
Jesse Simpson, for gravel, . .	1,130 20	
S. W. Fuller & Co., for plank, .	223 18	
Henry Gray, labor and teaming, .	312 00	
J. McKenna, " " .	528 00	
D. Crimmings, " " .	1,263 00	
Edward Burke, " " .	411 00	
C. A. Mongan, " " .	204 00	
B. Manning, " " .	207 00	
J. P. Prichard, " " .	223 00	
B. McCarroll, " " .	48 00	
Sundry bills, ...	36 47	
	———	$49,920 51

Soldiers' Relief.

Paid Brine & Clark, for fuel, . . .	$135 66	
L. Belknap & Co., for poultry for Thanksgiving, . . .	300 00	
Aid to sundry persons, . . .	92 00	
J. O'Brien & Co., for groceries, etc.,	124 06	
Sturtevant Bros., for provisions, etc.,	68 00	
Sundry bills, ...	132 40	
	———	$852 12

State Aid.

Amount of monthly pay rolls paid and charged to the State, ...	$3,695 66
Amount carried forward, ...	$747,775 84

Amount brought forward, ...		$747,775 84

Street Lights.

Paid Cambridge Gas Light Co., for gas,	$2,015 60	
Charlestown Gas Co., " "	1,887 18	
Sundry bills for fluid, etc., . .	54 70	
Hugh Blackwell, for lighting, .	1,938 50	
Lambert Bros., for glass, . .	81 00	
Jacobs Bros., for lamp signs, .	50 12	
Sundry bills for lamp posts, lanterns, repairs, etc., ...	678 64	
Sundry bills for materials, labor, etc.,	103 50	
		$6,809 24

Support of Poor.

Paid Wm. C. Brooks & Co., for fuel,	$1,055 93	
Brine & Clark, " " .	572 84	
A. Lewis & Son, for groceries, . .	399 00	
Lewis & Crowell, " " . .	560 50	
James Bartley, " " . . .	601 00	
J. O'Brien & Co., " " . .	321 50	
Sturtevant Bros., for provisions, .	213 00	
Sundry bills for groceries and provisions, ...	91 00	
P. Eberle, for boots and shoes, . .	176 43	
Dyer Bros., " " .	12 24	
City of Charlestown, for support of paupers, ...	304 09	
Worcester Lunatic Hospital, for support of paupers, . . .	280 85	
Sundry bills, ...	465 54	
Charles Trull, care of lodgers, .	63 08	
Abram Welch, salary as Overseer,	100 00	
Thos. Cunningham, " " .	116 67	
Ansel Lewis, " " .	200 00	
J. C. Magoun, " " .	200 00	
		$5,733 71
Amount carried forward, ...		$760,318 79

Amount brought forward, ...		$760,318 79
Water Distribution.		
Paid Coupons of Water Loan Bonds, No. 4 to July 1, 1872, No's. 5, 6, 8, 9, 10 and 11, to Oct. 1, 1872, and No's. 1, 2, 3, 7, 12 and 13, to Jan. 1, 1873, ...	$13,954 44	
J. A. Cummings & Co., printing,	10 50	
		$13,964 94
Fire Department, 1871.		
Paid E. Bartlett, for 700 feet hose, . .	$931 00	
New Jersey Car Spring and Rubber Co., for 700 feet hose, . .	931 00	
Fitz & Todd, for fuel, . . .	198 50	
Sundry bills, ...	228 64	
		$2,289 14
Highways, 1871.		
Paid sundry bills, ...		68 98
Miscellaneous, 1871.		
Paid W. J. Vickery, balance for rebuilding City Stables, ...	$300 00	
Sundry bills for gas, . . .	242 58	
C. D. Elliot, surveying, etc., . .	75 39	
C. S. Lincoln, services in settlement of claim against Estate of B. Randall,	50 00	
Sundry bills, ...	314 18	
		$982 15
School Contingent, 1871.		
Paid Daniel Pratt & Sons, for clocks, .	$101 10	
Brine & Clark, for fuel, . .	125 35	
Mystic Water Board of Charlestown, for water, ...	118 18	
W. G. Shattuck, for furniture, .	1,039 43	
Sundry bills, ...	275 25	
		$1,659 31
Amount carried forward, ...		$779,283 31

Amount brought forward, . . .	$779,283 31
Sewers, 1871.	
Paid sundry bills, ...	64 58
Support of Poor, 1871.	
Paid sundry bills, ...	119 97
Total disbursements, ...	$779,467 86

Table H.

EXPENDITURES AND APPROPRIATIONS FOR CURRENT EXPENSES; AND EXCESS & DEFICIENCY ACCOUNT.

Accounts.	Expenditures.	Appropriations.	Excess & Deficiency. Dr.	Excess & Deficiency. Cr.
Central Hill Grading,	$320 00	$2,000 00		$1,680 00
City Hall Alterations,	* 11,967 35	† 11,600 00	$367 35	
Fire Department,	* 17,952 36	19,000 00		1,047 64
Health Department,	4,974 92	2,000 00	2,974 92	
Highways,	*‡ 48,751 43			
Highways (Highland Ave. Extension,)	5,278 65	54,000 00	1,195 52	
Highways (Putnam St.)	‡ 163 16			
Highways (Prescott St.)	‡ 1,002 28			
Interest,	* 29,157 55	30,000 00		842 45
Miscellaneous,	* 11,085 30			
Miscellaneous, (Watering Streets,)	* 570 66	§18,400 00		6,503 64
Police Court Department,	240 40			
Police,	* 15,465 87	15,500 00		34 13
Salaries,	11,194 40	10,000 00	1,194 40	
School Contingent,	* 25,258 65	15,100 00	10,158 65	
School Teachers' Salaries,	47,340 67	47,900 00		559 33
Sewers,	*‡ 11,301 10	14,000 00		2,698 90
Soldiers' Relief,	852 12	1,000 00		147 88
Street Lights,	* 6,568 80	8,000 00		1,431 20
Support of Poor,	5,733 71	7,500 00		1,766 29
Water Distribution,	* 9,307 37	10,000 00		692 63
	$264,486 75	$266,000 00		
Excess of Appropriations over Expenditures, being credit balance of Excess & Deficiency account,			1,513 25	
			$17,404 09	$17,404 09

* After deducting credits to the account.

† Including transfer of $1,600 from "Miscellaneous."

‡ After deducting assessments credited to the account.

§ After deducting transfer to "City Hall Alterations."

Annual Report

OF THE

Mystic Water Committee

OF THE

City of Somerville,

For the Year 1872.

REPORT OF THE COMMITTEE ON WATER.

In Board of Aldermen, Dec. 30, 1872.

Report accepted, ordered to be printed, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

In Common Council, Dec. 30, 1872.

Concurred in.

SOLOMON DAVIS, *Clerk.*

In Water Board,
Somerville, Dec. 28, 1872.

To the City Council:

The Somerville Mystic Water Board, in accordance with the provisions of the City Ordinances, respectfully submit their Annual Report.

The Board are much gratified to represent to you that the Works are in excellent condition, the number of water takers rapidly increasing, and the advantages of this important work to the general interests and welfare of the City fully established.

The pipe laid during the present year has been of the same description as that heretofore adopted, viz: wrought-iron and cement; and its reputation for strength and durability, confirmed by our own experience, and that of many other Cities. The fire hydrants, and stop-gates, are of the Boston Machine Co.'s pattern.

The total amount of distribution pipe laid in the City, is 34 miles, 3,810.9 feet; number of fire hydrants, 184; number of stop-gates, 220; of which 6 miles, 2,295.3 feet of pipe, 38 fire hydrants, and 54 stop-gates, have been laid and set in 1872.

The water is now supplied to 1919 dwelling-houses, occupied by 2500 families, 49 stores, 18 manufactories, 213 stables, 3 brick-yards, the McLean Asylum, American Tube Works, Somerville Bleachery, 4 Churches, the City Hall, School houses and other Public buildings.

The water fixtures in use in the City are classified as follows, viz.:

2300 Sinks, 225 Taps, 383 Bath Tubs, 434 Wash Hand Basins, 409 Pan, 306 Self-acting, and 150 Hopper Water Closets, 80 Private Hydrants, 22 Urinals, 8 Fountains, and 287 Hand Hose.

There are laid in streets of the City bordering on the Cambridge line, about two miles of water pipe belonging to the City of Cambridge. That City supplies Fresh Pond water to the abuttors on those streets, and collects the water rents. Four fire hydrants, only, are connected with these pipes, and many complaints from citizens resident in that section, and from the Engineers of our Fire Department, are made on account of the insufficient head of water, and the small number of fire hydrants on the line, as being inadequate to a requisite supply in case of fire.

Under present circumstances, the Board do not deem it advisable to cause more hydrants to be attached to this line of pipe, and recommend its purchase, (provided an arrangement to that effect can be made with the City of Cambridge on satisfactory terms,) or the extension of the distribution pipes of Somerville through said streets.

On account of the rapidly increasing population of the westerly portion of the City, and the distance of that section from the present supply mains, the time is near at hand when a more direct supply from the Reservoir will be required. In view of this fact, a line of 10 inch pipe has been laid, commencing at the westerly end of Highland Avenue at Grove street, continuing through said Avenue to and across Elm street and through Holland street to Broadway, intended finally to be continued

through Broadway to a new Avenue now in process of construction, to the College Grounds on Walnut Hill. Through this new Avenue, a 12 inch main can be laid connecting directly with an independent 24 inch pipe already laid by the Charlestown Authorities, and connected with the Reservoir.

This new main will not only give the additional supply required, but will materially contribute to a better circulation, and more even head of water throughout the City, and will prove of great advantage in case of accident to our Central street main.

The trenching and general detail of the work during the year, has been under the supervision of a member of this Board. The piping has been laid by the Jersey City Water & Gas Pipe Co., under the superintendence of Mr. Benjamin Almy, who has completed the work in his usual faithful and satisfactory manner.

The engineering has been under the direction of Mr. Charles Elliott, the City Engineer.

The value of the Works is as follows, viz.:

Value Dec. 30, 1871, as by report of Committee, ...	$202,398 43
Expended during the past year, . .	43,288 33
Total value, ...	$245,686 76

The tabular statement presented herewith, will show the location, sizes, and other detail of the pipes, gates, and hydrants, laid and set in the City, up to the present time.

Statement of Distribution Pipes Laid in 1872.

Street.	From.	To.	10-Inch.	6-Inch.	4-Inch.	3-Inch.
Ashland	Summer	Dead end			14.	488.5
Brooks	Cross	Glen			547.	
Bonner Place	Washington	Columbus Ave., formerly Bonner Place,		499.		
Church	Milk	Summer			691.	
Chauncy	Broadway	Dead end		628.6		
Curtis	Broadway	Medford line		2,410.		
Concord Avenue	Webster Avenue	Beacon		2,060.		
Clark	Newton	Dead end		400.		
Craigie	Milk	Summer			1,333.	
Cherry	Summer (northerly)	Dead end			474.	
Claremon	Holland Avenue	Mead			588.	
Cameron Avenue	Holland Avenue	Dead end		564.2		
Davis	Holland Avenue	Dead end			496.	
Evergreen Avenue	Dead end	School			20.	
Florence (New)	Washington	Dead end		488.2		
Franklin Place	Washington	Dead end				555.
Grand View Avenue	Walnut	Vinal Avenue			578.	
Greenville	Medford	Dead end			396.	
Graham Court	Cherry	Dead end			24.	139.
George	Mount Vernon	Dead end			297.	3.
Holland Avenue	Elm	Broadway	2,850.			
Highland Avenue	Elm	Dead end	620.			
Hanson	Village	Dead end			358.	
Hazeltine	Dane	Hanson			337.	
Homer Square	Bonner Place	Dead end			214.	
High	Mead	Dead end			291.	
Kirkland	Beacon	Dead end			251.5	
Laurel	Dead end	Milk			390.	

Leland	Elm	Summer			1,130.	
Lowell	Summer (northerly)	Dead end		237.		
Medford	Dead end (easterly)	Dead end		428.		
Mills	Walnut	Sargent			551.6	
Mossland	Dead end	Milk			183.5	
Milk	Elm	Mossland			1,154.5	
Meacham	Orchard (northerly)	Dead end			596.	
Mount Benedict	Austin	Union			641.	
Maple Avenue	School	Dead end				203.
Mead	High (easterly)	Dead end			252.	
Nevada	Village	Hanson				256.5
Newton	Webster Avenue	Concord Avenue			728.5	
Orchard	Dead end	Meacham			62.	
Pleasant Avenue	Walnut	Vinal Avenue			582.2	
Sargent	Broadway	Mills			580.	
School	Evergreen Ave. (southerly)	Dead end		379.5		
Springfield	Concord Avenue	Dead end			766.	
Shawmut	Washington	Dead end			641.	
Thurston	Medford	Broadway		1,444.		
Thorp Place	Highland Avenue	Dead end				467.
Village	Dane	Hanson			422.	
Vine	Beacon	Hanson		667.5		
Veazie	Walnut	Dead end		223.5		
Wallace	Dead end	Holland Avenue		186.5		
Wallace	Dead end (northerly)	Dead end		939.5		
Winslow Avenue	Elm	Dead end			318.	
Washington Place	Washington	Dead end				365.
Wigglesworth	Bonair	Dead end			207.5	
Winter	Dead end	Holland Avenue			37.	
			3,470.	11,555.5	16,152.3	2,477.
For Hydrant branches and Blow-off					320.5	
					16,472.8	

Summary of Distribution Pipes laid in the City to Dec. 31, 1872.

	Ft. 12-in.	Ft. 10-in.	Ft. 8-in.	Ft. 6-in.	Ft. 4-in.	Ft. 3-in.	Ft. 2-in.	Total in Miles and Feet.	
Laid previous to 1872..	5,946.6		24,526.6	60,479.7	53,160.2	3,495.5	1,747.	28	1,515.6
Laid in 1872		3,470.		11,555.5	16,472.8	2,477.		6	2,295.3
Total.....	5,946.6	3,470.	24,526.6	72,035.2	69,633.	5.972.5	1,747.	34	3,810.9

Summary of Stop-Gates set in the City to Dec. 31, 1872.

	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.	Total.
Set previous to 1872,	4		18	59	81	4		166
Set in 1872		3	1	14	30		6	54
Total	4	3	19	73	111	4	6	220

Also one twelve-inch Gate jointly with the City of Charlestown, and one six-inch Gate jointly with the City of Cambridge.

Summary of Fire Hydrants set in the City to Dec. 31, 1872.

	Post.	Lowry.	Flush.	Total.
Set previous to 1872 . . .	120	1	*25	146
Set in 1872	38			38
Total	158	1	25	184

* One Flush Hydrant at corner of Broadway and Walnut Street replaced by a Post Hydrant in 1872.

STATEMENT OF FIRE HYDRANTS SET IN THE CITY IN 1872.

LOCATION.	LOCATION.
Brooks Street, near Rush.	Holland Avenue, near Davis Street.
Church Street, near the centre.	Holland Avenue, near Claremon St.
Chauncy Street, near Jaques.	Holland Avenue, near Broadway.
Curtis Street, near Broadway.	Highland Avenue, corner Grove St.
Curtis Street, 1000 ft. from Broadway.	Hanson Street, near Nevada.
Curtis Street, near Medford line.	High Street, near Mead.
Concord Avenue, near Newton Street.	Leland Street, near centre.
Concord Avenue, cor. Springfield St.	Medford Street, near Sycamore.
Concord Avenue, opposite Garden St.	Milk Street, opposite Beacon.
Clark Street, near centre.	Meacham Street, near centre.
Craigie Street, opposite Spring's house.	Mount Benedict Street, near centre.
Craigie Street, near crown of street.	Putnam Street, near centre.
Cameron Avenue, opposite Mead St.	Prescott Street, near centre.
Florence (new) Street, near upper end.	Pleasant Avenue, near centre.
Grand View Avenue, near the centre.	Sargent Street, near Mills.
George Street, opposite corner.	School Street, near Maple Avenue.
Holland Avenue, near railroad track.	Springfield Street, opposite Houghton.
Holland Avenue, 1000 ft. from Davis' Square.	Thurston Street, near centre.
	Wallace Street, 500 ft. from Broadway.

The value of the works is as follows:

Value January 1, 1872, . . .	$202,398 43
Expended for year 1872, . . .	43,288 33
Total value to January 1, 1873, .	$245,686 76

Statement Showing Total Length of Distribution Water Pipe Laid in Somerville to Jan. 1, 1873.

Street.	From.	To.	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.
Adams	Medford	A 2-in. pipe					594.3		
Adams	Broadway	A 4-in. pipe						(Iron.)	359.
Aldersey	Walnut	Vinal Avenue					550.5		
Allen	Milk	A dead end					668.4		
Arlington	Franklin	Lincoln					489.4		
Auburn Avenue	Cross	A dead end					504.6		
Austin	Broadway	A dead end				376.2			
Autumn	Broadway	A dead end						169.	
Avon	School	A dead end					633.		
Appleton	Clifton	Willow Avenue					525.		
Ashland	Summer	A dead end					14.	488.5	
Beach	Harvard	Spring					230.		
Belmont	Milk	Summer					1,272.6		
Belmont	Summer (northerly)	A dead end				298.			
Beacon	Ivaloo	Cambridge line				3,258.6			
Berkeley	School	A dead end					663.		
Bonair	Cross	Walnut					1,534.1		
Bond	Temple	Heath				1,342.2			
Bonner Place	Washington	Columbus Ave.				499.			
Boston	Walnut	A dead end					457.7		
Boston	Washington	Munroe				387.7			
Bow	Union Square	Milk				1,228.7			
Broadway	Charlestown line	Cedar			7,722.2	647.	1,621.		
Brooks	Cross	Glen					547.		
Broadway Place	Broadway	A dead end							145.
Canal	Mystic Avenue	A dead end					170.		
Cedar	Broadway	Elm	60.		8.	4,298.6			
Central	Medford	Milk	3,704.6						

Chauncy	Broadway	A dead end				628.6		
Cherry	Summer	Elm					905.7	
Cherry	Summer (northerly)	A dead end					474.	
Central	Medford	Broadway				1,142.		
Chester	Medford	Cross					722.4	
Chester	Elm	Orchard					713.4	
Chestnut	Poplar	A dead end					441.	
Chestnut Court	Harvard (east)	A dead end						210.8
Chestnut Court	Harvard (west)	A dead end						192.2
Columbus Avenue	Bonner Place	A dead end				605.7		
Clark	Newton	A dead end				400.		
Clifton	Morrison	Appleton					225.4	
Craigie	Milk	Summer					1,333.	
Claremon	Holland	Mead					588.	
Cameron Avenue	Holland	A dead end				564.2		
Concord Avenue	Webster Avenue	Beacon				2,060.		
Church	Milk	Summer					691.	
Curtis	Broadway	Medford line				2,410.		
Cross	Broadway	Tufts				2,178.6		
Cross St. Place	Cross	A dead end					353.4	
Cresent	Washington	A dead end						66.
Chandler	Park Avenue	A dead end					210.2	
Cutter	Broadway	Webster					772.6	
Dane	Milk	Washington				1,426.		
Dana	Bonair	Otis					213.5	
Dey	Orchard	A dead end					371.	
Dover	Elm	Orchard					1,015.	
Davis	Holland	A dead end					496.	
Elm	Milk	Morrison				5,407.2		
Ellsworth	Cross	Rush					280.	
Evergreen Avenue	Marshall	School					492.	
Emerson	Everett	A dead end					190.	
Everett	Prospect	Webster Ave.					468.5	

Statement Showing Total Length of Distribution Water Pipes Laid in Somerville to Jan. 1, 1873.

Street.	From.	To.	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.
Everett Avenue . . .	Cross	A dead end . . .					790.		
Fitchburg	Linwood	Lowell railroad .					425.3		
Flint	Franklin	Cross				1,092.5			
Fountain Avenue . .	Cross	A dead end . . .					352.		
Forster	Central	Sycamore					480.4		
Franklin	Washington	Broadway . . .			1,065.	1,311.2			
Frost Avenue	Milk	Am. Tube Works,					350.	(Iron)	
Frost Avenue	Milk	Am. Tube Works,					25.		
Florence	Perkins	Pearl					453.		
Florence (new)	Washington	A dead end . . .				488.2			
Franklin Avenue . .	Washington							555.	
George	Franklin	Mount Vernon .					297.	320.	
Glen	Broadway	Webster				790.4			
Glen	Flint	Pearl					380.		
Greenville	Medford	A dead end . . .					396.		
Grand View Avenue,	Walnut	Vinal Avenue . .					578.		
Graham Court . . .	Cherry	A dead end . . .					24.	139.	
Hamlet	Highland Avenue .	A dead end . . .					463.		
Harvard	Summer	Beech				736.1			
Harvard Court . . .	Harvard	A dead end . . .						100.	
Higgins Ct. Charles St.	Washington	A dead end . . .					198.6		
Heath	Temple	Brooks						1,866.5	
Hanson	Village	A dead end . . .					358.		
Hawkins	Milk	A dead end . . .					10.	122.	
High	Mead	A dead end . . .					291.		
Highland Avenue . .	Central	Medford			3,305.7				
Highland Avenue . .	Elm	Grove		620.					
Holland	Elm	Broadway . . .		2,850.					

Hazeltine	Dane	Hanson				337.		
Hillside Avenue	Pearl	A dead end						150.
Homer Square	Bonner Place	A dead end				214.		
Ivaloo	Dane	A dead end						483.
Ivaloo	Beacon	2-in. pipe				216.2		
Jenny Lind Avenue	Medford	Vernon				946.3		
Joy	Washington	Poplar				1,184.5		
Jaques	Temple	A dead end				535.5		
Kirkland	Beacon	A dead end				251.5		
Laurel	Milk	Summer				1,026.		
Leland	Elm	Summer				1,130.		
Lincoln	Broadway	Arlington				380.		
Linden	Milk	A dead end			647.2			
Linwood	Washington	Milk			2,133.7			
Linwood	Milk	Fitchburg			26.2			
London	Linwood	A dead end				389.7		
Lowell	Summer (northerly)	A dead end			237.			
Maple	Poplar	Medford				714.5		
Marshall	Broadway	New Pearl			1,669.			
Maple Avenue	School	A dead end					203.	
Medford	Broadway	Central	2,182.					
Medford	Highland Avenue	Washington		1,638.				
Medford	Central (east)	A dead end			921.8			
Meacham	Orchard (northerly)	A dead end				596.		
Milk	Mossland	Washington, at Union Square,		3,442.5	1,512.5	1,154.5		
Milk	Washington at Union Square	A dead end near Cambridge line,			3,912.4			
Mills	Walnut	Sargent				551.6		
Middlesex	Broadway	A dead end				256.		
Middlesex Court	Mystic Avenue	A dead end				439.5		
Meade	High (east)	A dead end				252.		
Mossland	Milk	Elm				457.7		

Statement Showing Total Length of Distribution Water Pipes Laid in Somerville to Jan. 1, 1873.

Street.	From.	To.	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.
Morrison	Elm	Willow Avenue					1,719.1		
Mount Vernon	Broadway	Washington				1,118.4	625.		
Mount Pleasant	Broadway	Perkins				630.			
Mount Benedict	Austin	Union					641.		
Myrtle	Perkins	Washington			977.8		455.5		
Myrtle (new)	Milk	A dead end					551.8		
Mondamon Court	Ivaloo	A dead end					292.4		
Munroe	Boston	A dead end				389.2			
Mystic Avenue	Union (south)	A dead end					310.7		
Mystic Avenue	Union (north)	Canal				140.			
Mystic Avenue	Temple (north)	A dead end				2,012.2			
Murrey	Washington	A dead end						222.	
Nevada	Village	Hanson						256.5	
Newton	Webster Avenue	Concord Ave					728.5		
Nichols Court	Dane	A dead end					207.4		
Oliver	Cross	A dead end					371.		
Orchard	Russell	Meacham					1,513.7		
Otis	Cross	Dana					883.		
Oxford	School	A dead end					655.3		
Oakland Avenue	Marshall	School							400.
Park Avenue	Elm	Wallace					529.		
Park	Milk	Beacon				1,316.9			
Pearl	Cross	Myrtle			220.		1,095.		
Pearl	Florence	Pinckney					223.		
Pearl	Cross (westerly)	A dead end					441.		
Perkins	Franklin	Charlestown line,				1,351.			
Pinckney	Perkins	Pearl				450.			
Pinckney (new)	Washington	A dead end				423.2			

Prescott	Highland Avenue	Summer				1,154.6		
Putnam	Highland Avenue	Summer					1,321.3	
Poplar	Milk	Joy					710.6	
Porter	Elm	Summer					1,246.5	
Prospect	Milk	A dead end				453.8		
Pleasant Avenue	Walnut	Vinal Avenue					582.2	
Rush	Broadway	Pearl					1,150.5	
Sacramento	Milk	Cambridge line				718.		
Sargent	Broadway	Mills					580.	
School	Milk	Highland Ave.					1,976.2	
School	Evergreen Av. (s'th)	A dead end				379.5		
Shawmut	Washington	A dead end					641.	
Skinner Court	Washington	A dead end						230.
Spring	Summer	Milk					1,311.6	
Summer	Central	Cherry				3,356.8		
Summer	Central (east)	A dead end				706.5		
Summer	Bow	School				1,227.6		
Summit Avenue	Walnut	A dead end					368.	
Sycamore	Broadway	Medford					1,312.9	
Springfield	Concord Avenue	A dead end					766.	
Temple	Broadway	Mystic Avenue			1,670.9			
Thorp Place	Highland Avenue	A dead end						467.
Tufts	Washington	Cross				1,034.5		
Town Farm	Broadway	A dead end				895.2		
Thurston	Broadway	Medford				1,444.		
Union	Broadway	Mystic Avenue					460.5	
Vernon	Central	Jenny Lind Ave.					813.	
Vinal Avenue	Highland Avenue	Summer				1,482.7		
Village	Dane	Hanson					422.	
Vine	Beacon	Hanson				667.5		
Veazie	Walnut	A dead end				223.5		
Walnut	Broadway	A dead end				1,170.5		
Walnut	Highland Avenue	Bow					1,736.7	

Statement Showing Total Length of Distribution Water Pipes Laid in Somerville to Jan. 1, 1873.

Street.	From.	To.	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4 Inch.	3-Inch.	2-Inch.
Warren Avenue . . .	Bow	Columbus Ave. .				716.2			
Washington	Milk	Charlestown line,			4,476.5				
Washington	Webster Avenue . .	A dead end . . .					417.4		
Washington	Dane	Beacon				658.4			
Webster Avenue . .	Washington	A dead end . . .				1,406.			
Webster	Franklin	Cross				532.5	566.5		
Wallace	Holland	A dead end . . .				1,340.			
Winthrop	Broadway	A dead end . . .					448.		
Winslow Avenue . .	Elm	A dead end . . .					318.		
Winter	Elm	Holland					461.		
Wigglesworth	Bonair	A dead end . . .					207.5		
Waverley	Washington	A dead end . . .							210.
Washington Avenue,	Washington	A dead end . . .						365.	
Hydrant branches, Reservoir connections and Blow-offs . . .							2,238.7		
			5,946.6	3,470.	24,526.6	72,035.2	69,633.	5,972.5	1,747.

Statement Showing Total Number of Gates and Hydrants set in Somerville to January 1, 1873.

STREET.	GATES.							HYDRANTS.		
	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.	Post.	Flush.	Lowry.
Adams					1					
Aldersey					1					
Allen					1					
Auburn Avenue								1		
Austin				1						
Avon					1					
Appleton					1			1		
Ashland							1			
Beach								1		
Belmont				1	2			1		
Beacon				1				6		
Berkeley								1		
Bonair					2			1		
Bond				1				1		
Bonner Place				1						
Boston				1	1					
Bow				2				1		
Broadway			4		1			6	8	
Brooks					1			1		
Canal					1					
Cedar				2				2		
Central	3			1	1			5		
Chauncy				1				1		
Cherry					2					
Chester (west)					1					
Chester					1					
Chestnut					1					
Columbus Avenue								1		
Clark				1				1		
Craigie					2			2		
Claremon					1					
Cameron Avenue				1				1		
Concord Avenue				2				3		
Church					2			1		
Curtis				1				3		
Cross				3				3		
Cross St. Place					1					
Crescent					1					
Cutter					2				1	
Dane				2				2		
Dover					1			1		
Davis					1					
Elm				1				8		
Ellsworth					1					

Statement Showing Total Number of Gates and Hydrants set in Somerville to January 1, 1873.

STREET.	GATES.							HYDRANTS.		
	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.	Post.	Flush.	Lowry.
Evergreen Avenue					1			1		
Everett					1					
Everett Avenue					1			1		
Fitchburg					1					
Flint				1					1	
Forster					1					
Franklin			1	3				1	1	
Frost Avenue					1					
Florence					1					
Florence (new)				1				1		
Franklin Avenue							1			
George					1	1		1		
Glen				2				1		
Greenville					1					
Grand View Avenue					2			1		
Harvard				1				1		
Heath						2			*5	
Higgins Ct.(Charles St.)							1			
Hanson								1		
Hawkins						1				
High								1		
Highland Avenue		1	2					8		
Holland		2			1			5		
Hazeltine					1					
Ivaloo					1					
Jenny Lind Avenue					1			1		
Joy					1			1		
Jaques					1			1		
Laurel					2			1		
Leland					2			1		
Linclon					1					
Linden				1				1		
Linwood				1				4		
Lowell				1						
Marshall				1				2		
Medford	1		1	1				6		
Meacham								1		
Milk			4	4	2			12	1	
Mills					1					
Middlesex					1					
Mossland					1					
Morrison					3			1		
Mount Vernon				2	1			1		
Mount Pleasant				2						

* Off 20-Inch main.

Statement Showing Total Number of Gates and Hydrants set in Somerville to January 1, 1873.

STREET.	GATES.							HYDRANTS.		
	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.	Post.	Flush.	Lowry.
Mount Benedict					1			1		
Myrtle			2		2					
Myrtle (off Milk)					1					
Munroe				1				1		
Mystic Avenue				1	1			1		
Murrey							1			
Newton					2					
Oliver					1					
Orchard					1			2		
Otis					1			1		
Oxford					1					
Park Avenue					1					
Park				2				2		
Pearl					3			1	2	
Perkins				3				1	2	1
Pinckney				1						
Pinckney (new)				1				1		
Prescott				2				1		
Putnam					2			1		
Poplar					3					
Porter					2			1		
Prospect				1				1		
Pleasant Avenue					2			1		
Rush					2					
Sargent					1			1		
School					2			3		
Shawmut					1					
Spring					2					
Summer				6	1			6		
Summit Avenue					1					
Sycamore					2				1	
Springfield					1			1		
Temple			1					1		
Thorp Place							1			
Tufts				1				1		
Town Farm				1				1		
Thurston				2				1		
Union					1			1		
Vernon					1					
Vinal Avenue				2				1		
Village					1					
Vine				1						
Walnut				1	2			2		
Warren Avenue				1				1		

Statement Showing Total Number of Gates and Hydrants set in Somerville to January 1, 1873.

STREET.	GATES.							HYDRANTS.		
	12-Inch.	10-Inch.	8-Inch.	6-Inch.	4-Inch.	3-Inch.	2-Inch.	Post.	Flush.	Lowry.
Washington			4	1	1			6	2	
Washington Avenue.							1			
Webster Avenue . . .				1				2		
Webster				1	1			1	1	
Wallace				1				2		
Winthrop					1					
Winter					1					
Winslow Avenue . .					1					

Total number of Gates to January 1st, 1873, ... 220
Total number of Hydrants to January 1st, 1873, ... 184

One 12-Inch Gate on Medford Street, at Medford line.
One 6-Inch Gate on Sacramento Street, at Cambridge line.
One 8-Inch Gate on Washington Street, at Charlestown line.
One 6-Inch Gate on Washington Street, at Asylum Avenue, owned by McLean Asylum.

In closing this Report the Board wish to say that it has been their endeavor to discharge the important trust committed to their charge, with a due regard to permanency, prudence and economy, and for the best interests of the city. They also wish to acknowledge the cordial and courteous manner in which their many applications for information and assistance have been met by the Commissioners, Clerk, and Superintendent of the Charlestown Water Works.

C. E. RYMES,
THOS. CUNNINGHAM,
ROBERT A. VINAL,
CUTLER DOWNER,
HORACE HASKINS.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF SOMERVILLE

FOR THE YEAR 1872.

CITY OF SOMERVILLE.

In School Committee, Dec., 31, 1872.

The Superintendent submitted his Annual Report, which was read and unanimously accepted.

It was voted that the Committee adopt the report now submitted by the Superintendent of the public schools, and present it to their fellow-citizens as the Report of the School Committee for the year 1872.

J. H. DAVIS, *Secretary.*

SUPERINTENDENT'S REPORT.

To the School Committee of Somerville:—

Gentlemen—In conformity with the requirements of your regulations, I respectfully submit the following as the First Annual Report on the condition of the Public Schools of the City of Somerville.

At the commencement of the year the School Committee was composed as follows:

Hon. Geo. O. Brastow, Mayor, Chairman, *ex officio.*
Oren S. Knapp, President of the Common Council, *ex officio.*

WARD ONE.

Joshua H. Davis, for three years.
Henry M. Moore, for two years.
Uriah R. Harding, for one year.

WARD TWO.

Rev. Geo. W. Durell, for three years.
Rev. J. W. Hamilton, for two years.
Edwin Mills, for one year.

WARD THREE.

Henry F. Spencer, for three years.
Selwin Z. Bowman, for two years.
Reuben Willis, M. D, for one year.

WARD FOUR.

Horace Chapin, M. D., for three years.
Prof. Benjamin G. Brown, for two years.
Enoch R. Morse, for one year.

ORGANIZATION.

Chairman. — *Secretary and Superintendent.*

HON. GEORGE O. BRASTOW. — JOSHUA H. DAVIS.

SUB-COMMITTEES.

ON THE HIGH SCHOOL.
Messrs. DURELL, SPENCER, BROWN, CHAPIN.

ON SCHOOLS IN FORSTER DISTRICT.
Messrs. SPENCER, BOWMAN, WILLIS.

ON SCHOOLS IN PRESCOTT DISTRICT.
Messrs. DAVIS, MOORE, HARDING.

ON SCHOOLS IN PROSPECT HILL DISTRICT.
Messrs. KNAPP, MILLS, HAMILTON.

ON SCHOOLS IN MORSE DISTRICT.
Messrs. MORSE, DURELL, CHAPIN.

ON SCHOOLS IN LINCOLN DISTRICT.
Messrs. BROWN, MORSE.

ON EVENING DRAWING SCHOOL.
Messrs. SPENCER, DAVIS.

ON EXAMINATION OF TEACHERS.
Messrs. MORSE, DURELL, CHAPIN, SPENCER.

ON BOOKS.
Messrs. KNAPP, MILLS, HARDING, HAMILTON.

ON MUSIC.
Messrs. DURELL, WILLIS, BROWN, MOORE.

ON SCHOOL FURNITURE.
Messrs. KNAPP, SPENCER, BOWMAN, MORSE.

ON HEATING APPARATUS.
Messrs. MILLS, HARDING, MOORE.

SCHOOL SUPPLIES.
Messrs. SPENCER, DURELL, DAVIS.

At the meeting of the Committee, held February 12, the resignation of Selwin Z. Bowman, was received and accepted. The vacancy thus occasioned was filled in convention of the City Council and School Committee, February 17, by the election of Samuel A. Carlton.

Mr. Carlton was subsequently appointed to fill all vacancies in the Sub-Committees, caused by the resignation of Mr. Bowman.

To meet the requirements of the 7th Section of the 15th City Ordinance, adopted April 6th, the Superintendent resigned, as member of the School Board, and the vacancy was filled in convention of the City Council and School Committee, April 20, by the election of Sanford Hanscom, M. D.

The year just closing has been one of continued prosperity, and its review presents much that is encouraging.

The schools have maintained their usual standard of excellence. Liberal appropriations have been made for their support. Parents and the Committee have manifested their accustomed solicitude. Teachers have labored faithfully—many of them with marked ability and success. Pupils have pursued their work with commendable industry, and reasonable expectations have been fully realized.

True intellectual progress and development, however, must ever be comparatively slow. The transient outstrips the enduring. Annuals come to maturity in a few weeks only, while the yearly growth of perennials that thrive amid the vicissitudes of a century, is scarcely perceptible. "As we perceive the shadow to have moved, but did not

perceive it moving; so our advances in learning, as they consist of such minute steps, are perceivable only by the distance."

In the brief period of their pupilage, the young can do but little more than lay the *foundation* for an education. The activities and study of a long life-time alone, can rear a superstructure of tolerably fair proportions.

To complete our entire Course of Study requires about thirteen years; but the average period of pupilage is less, probably, than ten years. Hence within the year just closing, the majority of our pupils have enjoyed more than one-tenth of their school privileges.

The shortness of the time allotted to the schools to accomplish their measure of influence in forming the character of the young, and in preparing them to go forth and assume the duties of citizens, should stimulate us to greater fidelity and increased activity in our work.

Whatever of error the review of the past may reveal to us, we must labor earnestly to correct in the future. Ever keeping before us a high standard of excellence, it should be our constant endeavor to attain thereto.

GENERAL SUMMARY FOR 1872.

PUPILS.

The whole number of pupils connected with the public schools in January last, was 2905.

The number of persons in the city between the ages of five and fifteen years upon the first day of May last, as reported by the Assessors, was as follows:—

Ward One,	1041	
Ward Two,	1024	
Ward Three,	482	
Ward Four,	385	
Total,	2932	
Increase for the year,		108

The number of pupils connected with the schools at that date, was 2987.

Of that number 235 were over fifteen years of age.

It will be seen that the whole number of pupils of all ages belonging to the schools, on the first day of May, was in excess of the number of persons in the city between the ages of five and fifteen years.

Whole number of pupils in December,		3128
Boys,	1569	
Girls,	1559	
Number over 15 years of age,		206

HIGH SCHOOL.

First Class,	29	or .927	per cent of the whole number.
Second "	33	" 1.055	" " " "
Third "	50	" 1.598	" " " "
Fourth "	69	" 2.206	" " " "
Total,	181	" 5.786	" " " "

GRAMMAR SHOOLS.

First Class,	116	or	3.708	per cent	of	the whole number.
Second "	175	"	5.595	"	"	" "
Third "	269	"	8.600	"	"	" "
Fourth "	289	"	9.239	"	"	" "
Fifth "	341	"	10.901	"	"	" "
Sixth "	409	"	13.076	"	"	" "
Total,	1599	"	51.119	"	"	" "

PRIMARY SCHOOLS.

First Class,	337	or	10.774	per cent	of	the whole number.
Second "	266	"	8.504	"	"	" "
Alphabet and primer classes,	745	"	23.817	"	"	" "
Total,	1348	"	43.095	"	"	" "

Per cent of pupils in each of the several departments of the Public Schools for the four years next preceding January 1, 1873 :

	1869.	1870.	1871.	1872.
High School,	6.37	6.02	6.17	5.786
Grammar Schools,	48.47	49.22	52.38	51.119
Primary "	45.16	44.76	41.45	43.095

Per cent of pupils in each of the several departments of the Public Schools of Boston in 1872 :

High School,	4.7
Grammar Schools,	53.6
Primary "	41.6

Number of pupils graduated at the High School,	21
" " " Grammar Schools,	83
Prescott, . . .	33
Forster, . . .	20
Prospect Hill, . .	12
Morse, . . .	13
Lincoln, . . .	5

Eighty of the graduates from the Grammar Schools applied for admission to the High School; seventy-three passed the required examination, and sixty-six entered the school in September.

Eight pupils were admitted to the fourth class, in September, from schools outside of the city.

Average attendance in the High School, .	146.7
" " " grammar schools,	1398.2
" " " primary "	1052.9
Per cent of attendance in the High School,	96.9
" " " grammar schools,	93.8
" " " primary "	91.

HIGH SCHOOL.

Whole number of different pupils during the year,	232
Number admitted during the year, . . .	77
Number graduated, ...	21
Whole number at the present time, . . .	181
Number in course preparatory for College, . .	22
Number at the present time over fifteen years of age,	139
Number on entering the new building, March 4, .	150

No. of 1st Class,	on entering	the	school,	59,	present	No.	29
" 2d	"	"	"	65,	"		33
" 3d	"	"	"	59,	"		50
" 4th	"	"	"	74,	"		69

TWENTIETH ANNUAL EXHIBITION

OF THE

HIGH SCHOOL,

FRIDAY, JULY 12TH.

ORDER OF EXERCISES.

MUSIC. Edmands' Band.

1.	SINGING.	"The Humming Bird."	*Rossini.*
		"Arrayed in Clouds of Golden Light," (Duet, Sacred.)	*Horne.*
2.	SALUTATORY IN LATIN.		Arthur Stearns Eddy.
3.	READING.	From "Richelieu."	Frank Eugene Leland.
4.	ESSAYS.	Wild Flowers.	Sarah E. G. Davis.
		Cloud and Blue Sky.	Martha Helen Pennock.
5.	READING.	"The Legend of Bregenz."	Mary Barnard Currier.
6.	SINGING.	"Sweet sister Fay."	*Barnett.*
		"Sweet Star of Hope." (Song with Flute.)	*Halevy.*
		"The Tempest." (Trio.)	*Campana.*
7.	READING.	"Ballad of Babie Bell."	Ada Cowles.
8.	FRENCH READING.	"Les Djinus."	Mary Alice Paul.
9.	READING.	"Travelling under the care of a gentleman."	Mary Florence Taft.
10.	DECLAMATION.	"Tribute to Webster."	Charles Lester Hopkins.
11.	SINGING.	"Wake gentle Zephyr."	*Rossini.*
		"Freedom, God and Right." (With Orchestra.)	*March of the Men of Harleck.*
12.	ESSAYS.	What shall we do with Belinda.	Emeline Agusta Dane.
		An Outlook.	Allie Ursula Edmands.
		The Polar Star.	Ella Frances Lears.

MUSIC.

Recess.

13. Singing. "Inflamatus." (Solo and Semi-chorus,) (with Orchestra.)
"*Stabat Mater.*"
14. Latin Dialogue. Samuel N. Cutler, Edwin N. Lovering, John L. Nichols.
15. Reading. "The Silent Tower of Bottreaux." Annah Maria Brown.
16. Reading. From "Macbeth." Emma Frances Schuh.
17. Greek Translation from Webster. Nathan Augustus Taylor.
18. Singing. "Greeting to Spring." (Solo and Chorus.)
"The Indian Drum."
19. Essays. Dress. Helen Wilder Chapin.
Check and Credits in Life. Emma Thayer Tower.
Summer Journeys. Effie Cutter.
20. Reading. "The Robber." Annie Elizabeth Robinson.
21. Originals.
22. Poem. Louisa Marie Wilde.
23. Reading. "Enlisting as an Army Nurse." Carrie E. Conant.
24. Valedictory. Emma Elizabeth Robbins.
25. Presentation of Diplomas,
by Chairman of School Committee, Mayor George O. Brastow.
26. Parting Hymn.

Music.

MEMBERS OF THE GRADUATING CLASS.

Annah Maria Brown.
Helen Wilder Chapin,
Ada Cowles,
Mary Barnard Currier,
Effie Cutter,
Emeline Augusta Dane,
Sarah E. G. Davis,
Allie Ursula Edmands,
Ella Frances Lears,
Mary Alice Paul,
Martha Helen Pennock,
Emma Elizabeth Robbins,
Annie Elizabeth Robinson,
Emma Frances Schuh,
Mary Florence Taft,
Emma Thayer Tower,
Louisa Marie Wilde,
* Arthur Stearns Eddy,
Charles Lester Hopkins,
Frank Eugene Leland,
* Nathan Augustus Taylor.

* Entered Harvard College.

SCHOOLS.

Five new schools have been organized during the year:

In the Edgerly school-house,		2
In the Lincoln school-house,		1
In the Morse school-house,		1
In Hawkins Hall,		1
Whole number of schools,		59
High,	1	
Grammar,	36	
Primary,	22	

SCHOOL-HOUSES.

Number of School Houses,	16
Number of School-rooms,	60
Number of School-rooms, unoccupied,	3
Number of rooms rented and occupied by schools,	2
Estimated value of school property,	$299,890.34

DWELLING-HOUSES.

Ward One,	1055
Ward Two,	920
Ward Three,	579
Ward Four,	507
Total,	3061

TEACHERS.

Number of male Teachers in the High School,	2
" female " " " "	4
" male " " grammar schools,	5
" female " " " "	31
" " " " primary "	22
Special Teachers of Music, Drawing, and Elocution,	4
Number of Assistants, in grammar and primary Schools,	5
Whole number of Teachers, including Assistants,	73

The following changes have been made in the corps of Teachers within the year :—

RESIGNED.

John Wilson, Esq., Principal of Prescott school.
Miss Eva M. Edmands, Teacher in Cedar Street school.
" Jennie M. Belknap, " Forster "
" Sue L. Lathe, " Webster "
" Mary E. Sargent, " Morse "
" Charlotte R. Cutter, " Edgerly "
" Kate D. Perry, " Bennett "
" Anna M. Leland, Principal of " "

ELECTED.

Miss Lilian E. Woodward, Teacher in Lincoln school.
" Alice Simpson, " Cedar Street "
" Kate D. Perry, " Bennett "
" Agnes Woodberry, " Forster "
" Agnes M. Cox, " Webster "
" Lizzie J. Hamilton, " Jackson "
" Abbie M. Bigelow, " Edgerly "
" Pauline S. Downes, " Morse "
" Alice I. Bradford, " " "
" Rowena G. Delano, " Edgerly "
" Helen Tincker, Principal of Bennett "

Augustus Linfield, Esq. was elected Principal of Prescott school, March 7th, and died May 5th. When invited to Somerville, he was Principal of the High School in Lenox, Mass.

He was an estimable Christian gentleman. During the brief period of his connection with the school, he won the confidence and esteem of the Committee, and gave promise of great usefulness in his profession.

June 20, Luther B. Pillsbury, Esq., was elected to fill the vacancy caused by the death of Mr. Linfield. When elected he was Principal of the High School in Bridgewater, Mass.

DISTRICTS.

FORSTER.

Number of	Schools,	7
"	Pupils,	332
"	Male Teachers,	1
"	Female "	6

PRESCOTT.

Number of	Schools,	14
"	Pupils,	761
"	Male Teachers,	1
"	Female "	13

PROSPECT HILL.

Number of	Schools,	22
"	Pupils,	1159
"	Male Teachers,	1
"	Female "	21

MORSE.

Number of	Schools,	10
"	Puplis,	496
"	Male Teachers,	1
"	Female "	9

LINCOLN.

Number of	Schools,	5
"	Pupils,	199
"	Male Teachers,	1
"	Female "	4

EXHIBIT OF THE SEVERAL SCHOOLS.

Schools.	Teachers.	Average whole Number.	Average Attendance.	Per cent of Attendance.	Number Tardy.	Number Dismissed.
High	Geo. L. Baxter	151.4	146.7	96.9	276	409
Forster	Geo. R. Bradford	38 4	37.2	96.7	18	49
"	Anna M. Snow	32.	30.7	95 9	22	48
"	Frances M. Guptill	40.7	38.9	95.5	38	33
"	Alida C. Willis	38.1	36.3	95.3	63	94
"	Edith C. Long	38.	35.3	92.8	26	48
"	Helen E. Magoun	52.	47.6	91.5	37	68
"	Agnes Woodberry	53.1	46 3	87.1	50	44
Prescott	Luther B. Pillsbury	33.4	31 5	94.3	160	45
"	Isabel S. Horne	43 3	40.1	92.6	137	101
"	Harriet N. Sands	45.3	40.9	90.3	142	88
"	Mary E. Eddy	46.8	43.7	93 3	262	234
"	Anna A. Hall	47.5	44.7	94.1	218	106
"	Nancy W. Proctor	48 8	46.	94.2	158	136
"	M. Ellen Eddy	46 9	43.6	92.9	128	75
"	Catharine T. Brown	60.4	55.4	91.7	197	84
"	Mary E. Hartshorn	60.5	54.1	89.4	266	177
"	Grace A. T. Wilson	59.8	53.1	88.7	290	143
Edgerly	Augusta M. Cowles	43 7	40.4	92.4	127	88
"	Harriet A. Adams	54.9	51.8	94 3	145	104
† "	Rowena G. Delano	44.3	39 3	88.7	251	51
* "	Abbie M. Bigelow	31 2	27.6	88.4	53	20
Prospect Hill	Samuel C. Hunt	40.2	38.9	96.8	38	41
"	Frances L. Child	40 8	39.7	97.3	24	44
"	Caroline S. Plimpton	43.3	40.3	93.	26	39
"	Ellen M. Gooding	40.2	38.8	96.5	50	92
"	Lydia L. Gordon	45.7	42.2	92.5	46	101
"	Clara Taylor	52 4	49.9	95.2	71	106
* "	Lydia J. Page	42.	38.7	92.1	16	19
"	Augusta A. Roberts	96.8	88.9	91.8	396	228
Brastow	Sarah E. Pennock	35.7	34 4	96 3	108	96
"	Beulah A. Hill	66.2	56.6	85.5	123	97
Bennett	Helen Tincker	47.1	44.6	94.7	159	85
"	Harriet A. Locke	45.2	41.1	91.0	280	65
"		49.8	45.4	91.1	231	71
"	Adeline Sanderson	51.	47.	92.1	179	47
Jackson	Lizzie W. Shelton	50.2	47.7	95.	180	65
"	Maria Miller	46.4	43.6	93.9	153	89
"	Rebecca F. Woodberry	58 2	52.2	89.7	192	18
"	Lizzie W. Hamilton	58.6	54.2	92.4	127	55
Webster	Ada L. Sanborn	32.5	30.6	94.1	184	129
"	Agnes M. Cox	43.1	39.7	92.1	177	118
"	Ella F. Leland	40.5	38.6	95.	121	93
Union	Fannie W. Kaan	43.	40.2	93.5	140	99
Morse	Wm. B. Allen	46.3	43.1	93.1	190	144
"	Nellie P. Nichols	38.1	36.4	95.5	101	86
"	Sue S. Stetson	35.7	34.3	96.	72	171
"	Pauline S. Downes	45.4	42.5	93.6	126	263
‡ "	Alice I. Bradford	42.3	39.6	93.6	136	35
Spring Hill	Harriet H. Weld	53 3	49.	91.9	195	54
Franklin	Frances N. Howard	40.5	37.3	94.5	74	108
"	Mary A. Haley	47.3	42.8	90.4	254	50
"	Lizzie C. Howe	47.7	43.2	92.5	283	43
Harvard	Emma F. Merritt	57.5	53.9	93.7	169	31
Lincoln	Horace P. Makechnie	29.3	27.3	93.1	143	159
"	Ella L. Burbank	30.4	27.6	90.7	143	89
§ "	Lilian E. Woodward	31.5	28.4	90.1	296	176
"	P. Jenette Teele	35.6	31.1	87.3	230	88
Cedar Street	Alice Simpson	38.2	36.8	96.3	58	47
Total		2,798.5	2,597.8	92.8	8,557	5,591

High School	151 4	146.7	96 9	276	409
Grammar School	1,490.5	1,398.2	93.8	4,085	3,391
Primary Schools	1,156.6	1,052 9	91.	4,196	1,791
Total	2,798.5	2,597.8	92.8	8,557	5,591

* Organized in September.
† Organized in May.
‡ Organized in October.
‖ Organized in March.

A TABULAR STATEMENT OF THE SEVERAL SCHOOLS AND TEACHERS.

District.	School.	Principal.	Assistants.	Sub-Committee.
		Geo. L. Baxter, Principal	Sarah L. Graves	Rev. Geo. W. Durell.
		Walter F. Marston, Sub-master.	Sarah W. Fox	Henry F. Spencer.
	High		Mary E. Davis	Horace Chapin, M. D.
			Annette E. Long	Benj. G. Brown.
		George R. Bradford	Anna M. Snow	Samuel A. Carlton.
			Frances M. Guptill	Henry F. Spencer.
Forster	Forster		Alida C. Willis	Reuben Willis, M. D.
			Edith C. Long	
			Helen E. Magoun	
			Agnes Woodberry	
		Luther B. Pillsbury	Isabel S. Horne	Henry M. Moore.
			Harriet N. Sands	Uriah R. Harding.
			Anna A. Hall	Sanford Hanscom, M. D.
			Mary E. Eddy	
	Prescott		Nancy W. Proctor	
Prescott			M. Ellen Eddy	
			Catharine T. Brown	
			Mary E. Hartshorn	
			Grace A. T. Wilson	
		Augusta M. Cowles	Harriet A. Adams	
	Edgerly		Abbie M. Bigelow	
			Rowena G. Delano	
		Samuel C. Hunt	Frances L. Child	Oren S. Knapp.
			Caroline S. Plimpton	Edwin Mills.
			Ellen M. Gooding	Rev. J. W. Hamilton.
Prospect Hill	Prospect Hill		Lydia L. Gordon	
			Clara Taylor	
			Augusta A. Roberts	
			Lydia J. Page	

A TABULAR STATEMENT OF THE SEVERAL SCHOOLS AND TEACHERS. — (Concluded.)

District.	School.	Principal.	Assistants.	Sub-Committee.
Prospect Hill.	Brastow	Sarah E. Pennock	Beulah A. Hill	
	Bennett	Helen Tincker	Harriet A. Locke	
			Adeline Sanderson	
				
	Jackson	Lizzie W. Shelton	Maria Miller	
			Rebecca F. Woodberry	
			Lizzie J. Hamilton	
	Webster	Ada L. Sanborn	Ella F. Leland	
			Agnes M. Cox	
	Union	Fannie W. Kaan		
Morse	Morse	Wm. B. Allen	Nellie P. Nichols	Enoch R. Morse.
			Sue S. Stetson	Rev. Geo. W. Durell.
			Pauline S. Downes	Horace Chapin, M. D.
			Alice I. Bradford	
	Spring Hill	Harriet H. Weld		
	Franklin	Frances N. Howard	Mary A. Haley	
			Lizzie C. Howe	
				
	Harvard	Emma F. Merritt		
Lincoln	Lincoln	Horace P. Makechnie	Ella L. Burbank	Benj. G. Brown.
			Lilian E. Woodward	E. R. Morse.
			P. Jenette Teele	
	Cedar Street	Alice Simpson		Benj. G. Brown.
				Henry F. Spencer.

S. H. O. Hadley, Teacher of Music.
Harriet E. Bean, Teacher of Elocution.

Lizzie J. Woodward, Helen J. Woodward, } Teachers of Drawing.

Expenditures from January 1, 1872, to January 1, 1873.

Teachers' Salaries,	$47,340 67
Janitors' Salaries,	1,919 43
Fuel,	4,424 73
Repairs,	6,040 88
Rent,	548 57
Insurance,	2,352 00
Furniture,	4,737 74
Miscellaneous,	3,235 30
Superintendent's Salary,	2,000 00
	$72,599 32

SPRING HILL CHAPEL.

By request of the School Committee, the City Council purchased of the Baptist Society, for $5000, their property situated on Beech Street, and adjoining the Spring Hill primary-school lot.

The property is centrally and beautifully located. It may be regarded a matter for congratulation that it has been secured to the city for school purposes.

HIGH SCHOOL HOUSE.

This beautiful and substantial edifice was commenced in April, 1871, and completed in February, 1872.

It is situated on the summit of Central Hill, and near the geographical centre of the city. Its style of architecture is novel, and its appearance is pleasing from all points of observation.

The building is sixty-seven by one hundred feet on the ground, and three stories in height. Its front entrance is from Highland Avenue, and there are two side entrances for the pupils.

The basement contains the heating apparatus, a room for fuel, water-closets, rooms for the Janitor's family, two entries for the pupils, a laboratory, and a philosophical room.

Each of the first and second stories contains a hall twenty-two by twenty-four feet, a school-room fifty-two feet square, two recitation rooms twenty-two by twenty-six feet.

Communicating with each school-room there are two spacious and convenient dressing rooms for the pupils, and two rooms for the teachers.

The third story contains an exhibition hall sixty-four by eighty feet, with three ante-rooms attached.

The view from this story is rarely surpassed. The eye of an observer standing upon the floor of the Exhibition Hall is about one hundred and sixty feet above the water level. In an open, level country an area of more than seven hundred and fifty square miles comes under observation at such an elevation. After making ample deduction for that portion of this area hidden by hills which elevate a part of the horizon, there remains, doubtless, within the range of vision, an unobstructed view of more than five hundred square miles of territory.

The walls of the building, including the partitions, are constructed of bricks. The exterior walls are faced with pressed bricks. The base and belt courses, the door-steps, and the door and window trimmings are of fine hammered granite. The roof is covered with copper and slate, and fitted with copper gutters.

The ground at the base of the building is one hundred and sixteen feet above the level of the sea at mean low tide. The first floor is nine and one-fourth feet above the ground. Each of the first and second stories is four-

teen and one-half feet high in the clear. The Exhibition hall is twenty and one-fourth feet in height.

The second floor is sixteen feet below the level of the reservoir on Walnut Hill, from which the supply of water is obtained.

The building is heated by steam, and is provided with ample means for ventilation.

Cost, including heating apparatus, $59,919. 45.

It was formally dedicated to the service of education, with appropriate ceremonies, on the evening of February 27, 1872, and occupied by the school, March 4th.

ORDER OF EXERCISES.

1. Music, ... by the Somerville Musical Associations.
2. Reading: Selections from Scripture, Rev. H. H. Barber.
3. Prayer, ... Rev. George W. Durell,
4. Statement, ... by Samuel A. Carlton, Esq.

Chairman of the Building Committee, on passing the Keys to the Mayor, Chairman ex-officio of the School Committee.

5. Address of His Honor, Mayor George O. Brastow.

On receiving the Keys, and passing them to O. S. Knapp, Esq., former Chairman of the School Committee.

6. Address of O. S. Knapp, Esq.

On receiving the Keys, and delivering them to the Principal of the High School.

7. Address of George L. Baxter, Esq.

Principal of the High School, on receiving the Keys.

8. Singing, ... by Pupils of the High School.

DEDICATION ODE.

Fair Science, from her sacred hill,
 Shineth afar with gems of light,
Whose glories beam like stars that fill
 The clear and distant skies of night.

And fair the scenes that she beholds;
 Here, Freedom's battle hills and plains,
There, towns where wave the starry folds,
 And Industry in quiet reigns.

Through all the lands her temples rise;
 Where rivers to the ocean wind,
Or hamlet in the valley lies,
 Her name is sacredly enshrined.

So on this hill of prospect fair,
 This temple to her honor stands,
Guarded by Freedom's watchful care,
 And crowned by work of skilful hands.

God of the nations, learning's Source,
 From whom are liberty and light,
Through whom we keep our peaceful course,
 Take Thou our work and praise to-night.

9. Address by J. H. Davis, Esq.

10. Poem, ... by E. R. Morse, Esq.

11. Address, ... by Henry F. Spencer, Esq.

12. Music, . . . by the Somerville Musical Associations.

FIRST HIGH SCHOOL HOUSE.

The following items gathered from the School Records and Reports, may interest some of our citizens.

The corner-stone of the building was laid in September, 1851.

BUILDING COMMITTEE.

Rev. A. R. Pope, Chairman of the School Committee.
Isaac F. Shepard, Secretary " " "
Hon. George O. Brastow.

The building was dedicated, April 29, 1852.

ORDER OF EXERCISES.

1. Singing.—Original Hymn, by I. F. Shepard.
2. Surrender of the keys by the Building Committee.
3. Remarks of Hon. Luther V. Bell, M. D., former member of the School Committee.
4. Prayer of Dedication, by Rev. J. T. Sargent.
5. Singing by scholars of the Grammar Schools.
6. Address by I. F. Shepard, Esq.
7. Singing by the scholars.
8. Benediction.

The school was organized, May 3, 1852, and sixty-one pupils were connected with it the first term.

Eight hundred and fifty-three pupils were admitted to the school during the twenty years it occupied the building.

The last session of the school was held, February 23, 1872, at which time it contained one hundred and fifty pupils.

TEACHERS OF THE HIGH SCHOOL AND THEIR TERM OF SERVICE.

Principals.	Assistants.	From.	To.
Robert Bickford		May 3, 1852	March, 1854.
	Elizabeth C. Babcock	" 1852	December, 1853.
	Charlotte Gardner	December, 1853	June, 1854.
	Rebecca F. Ames	" 1853	December, 1854.
Leonard Walker		March, 1854	September, 1856.
	M. A. Merriam	August, 1854	" 1856.
	Agnes Gillis	December, 1854	" 1856.
Samuel J. Pike		September, 1856	August, 1858.
	Lucy A. Dudley	1856	" 1858.
	Sarah C. Cushman	February, 1857	" 1857.
	Lydia A. Pearce	September, 1857	" 1858.
Isaac N. Beals		August, 1858	" 1859.
	George C. Bracket	" 1858	April, 1860.
Henry H. Babcock		" 1859	August, 1867.
	Harriet E. Reed	April, 1860	" 1867.
	Harriet E. Guild	May, 1860	" 1861.
	Elizabeth S. Owen	September, 1861	June, 1862.
	Sarah L. Graves	" 1865	
George L. Baxter		August, 1867	
	Susan R. Osgood	" 1867	February, 1868.
	Mary E. Davis	" 1867	
	Sarah W. Fox	February, 1868	
	Annette E. Long	September, 1869	
Walter F. Marston, Sub-Master		October, 1871	

ADDITIONAL SCHOOL ACCOMMODATIONS.

The demand for additional school accommodations in Prospect Hill and Prescott districts is urgent.

All the school-rooms in both districts are occupied, with the exception of one room in the Webster school-house.

One hundred and fifty pupils in Prospect Hill district are occupying halls rented for the purpose.

From seventy to eighty pupils were in attendance in the Brastow primary school, and in each of the two primary schools in the Prescott school-house during the summer and autumn.

To relieve the Prescott school, all the rooms in the Edgerly school-house have been occupied. Hence there remains no spare room in that building for the accommodation of the rapidly increasing population in its immediate neighborhood.

In both of these districts a large number of dwellings are in process of construction; others are completed and ready for use. All of these will, doubtless, be occupied in the coming spring and summer.

It will be seen by referring to our summary, that in December there were nineteen hundred and twenty pupils belonging to the schools in these two districts, and only *two* Grammar Masters, while in the schools of the remaining three districts there were only ten hundred and twenty-seven pupils and *three* Grammar Masters.

It seems desirable that these two districts should be divided into three; that two grammar-school buildings, each of the size of the Prescott school-house, should be constructed; and that an additional grammar school should be established.

Should such an arrangement be deemed expedient, the matter of locating becomes important.

When the present Prospect Hill school-house was located there were but few dwellings upon the territory bounded by Highland Avenue, Walnut, Milk, and School streets. That territory is now occupied by a comparatively dense population. The new school building for Prospect Hill district should be located with a view to the accommodation of pupils residing in that section, as well as of those located west and south of Milk street, and upon the southern declivity of Prospect Hill.

Following the line of Summer, Bow, Washington, and Myrtle streets, the grammar-school building for Prospect Hill district should be located at a point about one-third of the distance from the Morse school-house to the Prescott school-house; and the grammar-school building for the new district should be located about half way between the Prescott school-house and the building which may be erected in Prospect Hill district.

In the construction of these buildings provision should be made for future wants. If the experience of the past is to be repeated, a population will soon centre about the points designated, sufficient to fill two buildings, each of the size of the Prescott school-house.

The following items may be interesting in this connection, and may serve to raise the inquiry, Is the ratio of male to female teachers in our schools as large as it should be to secure the greatest efficiency?

April 23, 1842, Wm. E. Graves, the first Grammar Master in Somerville, was elected Principal of the Prospect Hill grammar school: — Salary, $600.

Whole number of pupils in the town at that date was 293.

In 1843, a small building with one room was constructed on the corner of Broadway and Franklin street, for the accommodation of the East Village and Winter Hill. April 12, 1844, a grammar school was established in that building, called the Lower Winter Hill grammar school, and George Swan was elected Principal: — Salary, $30 per month.

Whole number of pupils in town at that time was 308.

The name of this school was changed to Prescott grammar school, January 8, 1847.

The Franklin school-house was completed in the autumn of 1846. October 12, Wm. E. Graves was transferred from Prospect Hill grammar school to Franklin grammar school.

The first Forster school-house was completed early in the year 1855. February 22d of that year, John Jameson was elected Principal of Forster grammar school: — Salary, $700.

Whole number of pupils in town at that date was 1,045.

The Lincoln school-house was dedicated March 23, 1867. Jan. 1, 1867, Horace P. Makechnie was elected Principal of Lincoln grammar school: — Salary,$1,000.

Whole number of pupils in town at that date was 2,123.

In 1842	there	was	one	Grammar Master to	293 pupils.
1844	"	"	"	154	"
1846	"	"	"	160	"
1855	"	"	"	261	"
1867	"	"	"	424	"
1872	"	"	"	625	"

RULES AND REGULATIONS OF THE BOARD.

Within the year, the Rules and Regulations of the School Committee, and the Course of Study for the several grades of the schools have been carefully revised and printed in pamphlet form.

It is the wish of the Committee that not only each school, but every family in the city should be furnished with a copy. Copies can be obtained on application to the Superintendent, or any member of the School Committee.

SCHOOL YEAR.

The school year has been reduced from forty-two to forty weeks: commencing on the first Monday in September and closing about the first of July.

This change seemed to be demanded by the general wish of the community, as indicated by the small attendance for several years, during the weeks the schools were continued in July.

EXHIBITIONS.

In order that each member of the Committee might attend all of the annual exhibitions of the schools, they were so arranged that no two occurred at the same time. To accomplish this we were obliged to have exhibitions every session of the schools from the 27th day of June last, to the 12th day of July, inclusive.

It is the prevailing opinion of the teachers, and also of the Committee, that the time spent in a school after its exhibition is of little value.

We would suggest that the exhibitions of the schools in the several districts take place, under the direction of the Sub-Committees, at the same time, and as near the close of the school year as possible; and that all the schools in each district close with the exhibition of the grammar school.

MUSIC.

Music, under the direction of an accomplished teacher, has been pursued during the past year in the same manner as in several preceding years. A lesson of one hour each week has been given in each of the grammar-school buildings and in the High School.

When this mode of giving instruction in music to the schools was adopted, it was probably the best that could have been devised. But the schools have multiplied greatly since that time, and a radical change in the present mode is demanded in order that each separate class in the several departments may receive such instruction, and such only, as is adapted to the capacity and advancement of the pupils composing it.

We solicit an early consideration of the matter by the Committee on Music.

EVENING DRAWING SCHOOL.

To meet the requirements of the law of the State making it the duty of School Committees to furnish in-

struction in Mechanical or Industrial Drawing to persons over fifteen years of age, a school was organized under the direction of Lucus Baker, Esq., early in January last.

The school was held in the school-room of the old High School House, in January and February, and in the Exhibition Hall of the new High School House, in March and April.

Whole number in attendance, . . .	55
Average attendance, ...	45
Number of school sessions, ...	23

A school for the same purpose and under the same teacher is in progress at the present time.

Whole number in attendance, . . .	62

IRREGULAR ATTENDANCE.

The most discouraging feature of our schools is the irregular attendance of many of the pupils composing them.

That this is an evil of sufficient magnitude to excite unpleasant apprehension and arouse us to strenuous efforts to diminish it will be apparent from a careful study of our "exhibit" on page 15, and a comparison of this with our "summary" showing the whole number of pupils nominally belonging to the schools.

Teachers can do much towards reducing the evil by rendering the schools more interesting and attractive; but it is to parents we must look, mainly, for its correction and cure: and we most earnestly solicit their consideration and persistent co-operation in the matter.

We apprehend that the evil has its origin, in part, in

what we regard a false impression, namely,—"That children are overtasked in their studies, and subjected to undue confinement in the school-room."

That this is true in some cases there can be no doubt.

During our connection with the schools of Somerville, we have known a few pupils, of superior endowments and of great promise, who have been permanently, and, in a few instances, fatally injured by too close confinement and too continuous and severe mental labor. But we have found, upon investigation, that, in every instance of this character, the sufferer had been laboring beyond the stated requirements of the School Committee, or had been promoted prematurely and forced to pursue studies beyond his comprehension.

A few pupils have attempted to pursue the studies of the "Classical Course" and also of the "Regular Course," in the High School, at the same time,—a task which should never be undertaken. He who attempts it must do it at his peril.

With injurious, and sometimes fatal consequences, a few ambitious pupils, with nervous temperaments and fragile constitutions, urged on by equally ambitious parents and teachers, have engaged in intellectual efforts beyond their years or their mental and physical endurance. But these were exceptional cases.

We have watched, with much solicitude, the effect of our prescribed school work upon pupils in the different departments, and our conviction is, that no pupil of ordinary health and intellectual capacity, with correct habits, and who is free from other mental labor, will be injured by attending constantly and faithfully upon the duties of the schools, and in complying strictly with all of their requirements.

A little consideration will convince us that the *time* allotted to the schools is not excessive.

Forty weeks constitute our school year. To the twelve weeks of vacations we may add another week for the stated holidays, which reduces the school year to only three-fourths of the civil year. There are five sessions a week of five hours each, in the High School, and ten sessions a week averaging two and three-fourths hours each in the grammar and primary schools. These sessions are divided by recesses and general school exercises, so that the time devoted to actual mental effort in school, by pupils in constant, punctual attendance will not exceed four hours a day for five days in each of the thirty-nine weeks of school time.

Neither is the *work* required of pupils who are regular in their attendance, excessive, or such as to produce injurious results.

Much care and thought have been bestowed upon the preparation of a "Course of Study" that would be adapted to the average capacity of our pupils. But the studies have been arranged and apportioned with the expectation that pupils will be regular in their attendance and faithful in the performance of their school work.

When scholars are irregular in their attendance, one or more of several unpleasant consequences follow. Either they must overwork during the time they are in attendance, or their education will be superficial; or they must be transferred, from time to time, to a lower class—whereby the time for completing the course of study will be prolonged; or what is still more probable, they will become discouraged, lose their interest in the school, and leave it prematurely.

Immeasurable mischief comes to any school by the

irregularity of a portion of its members who must ever hang as an incubus upon it,—impairing its efficiency and retarding the progress of those who are regular in attendance, and faithful in their work.

We have no moral right to squander our own time, much less can we innocently prevent the most profitable use of it by others.

PROMOTIONS.

Every person, at all conversant with the matter, realizes the extreme difficulty of measuring correctly the capacity of pupils, of adapting instruction judiciously, and of making a right apportionment of mental labor, in quality and amount, to the various and ever-varying capacities of scholars in the different stages of their school course.

Public schools must, of necessity, be graded schools. Pupils with every diversity of natural endowment, varying in temperament, organization, ambition, habits of thought and study, and physical endurance, must be grouped into classes.

To all pupils in each class the same lessons must be assigned, and they must all receive substantially the same instruction. A discriminating and ingenious teacher, it is true, will adapt his *instruction* to the extreme as well as to the mean capacity of all the members of the class; but in his assignment of lessons he must be governed by his estimate of their *average* ability. Every lesson, therefore, which is adapted to the average scholar will overtask the abilities of some members of the class, and be insufficient for others.

The disparity which must necessarily exist in the abilities and attainments of different members of every class at the beginning of the year, will increase as time advances, and at the end of the year will be greater than should ever exist between members of the same class. But this disparity is found in nearly every class at the close of each school year when promotions are made and the classes are arranged for the succeeding year.

To make promotions under such circumstances, to deal justly with every pupil, and give satisfaction to all, is a task not easily performed.

A reasonable degree of uniformity can be maintained only by individual promotions from one extreme of the class, and by transferring pupils to a lower class from the other extreme. In our "Course of Study," limits, as definite as is practicable, have been prescribed for each class, and the amount of work to be performed distinctly assigned.

How *much*, has been decided by the Committee. How *well*, will depend mainly upon the industry of the pupils, and the faithfulness and skill of the teachers. The harvest from fields of equal fertility is usually commensurate with the excellency of tillage.

Seventy per cent in scholarship is the requirement for promotion from one class to another in the Grammar Schools, and for admission to the High School.

Ninety per cent in scholarship is about the average of the best scholars in the several classes. But 70 is nearly 78 per cent of 90; therefore our requirement is that the scholarship of the lowest in rank in any class, shall be to that of the highest in rank as 78 to 100; thus allowing a range of 22 per cent between the extremes of the same class.

To obviate the liability to injustice resulting from promotions based upon a single examination at the close of the year, the Committee adopted the following rules:

Pupils in each of the several Grammar schools shall be examined at the end of each month upon the various studies pursued since the commencement of the school year, by means of questions carefully prepared by the teacher and approved by the Principal and Superintendent.

A record of the examinations shall be kept by the teachers; and those pupils — in all the classes except the first — whose average rank in scholarship for the year has been seventy per cent, will be entitled to promotion.

Applicants will be admitted to the High School when their rank in scholarship, as indicated by the average of their monthly examinations and the usual annual examination, is seventy per cent.

The requirements of these rules impose much extra labor upon the teachers; but, with scarcely an exception, they have conformed to them with great cheerfulness, and with an enthusiasm even, which is gratifying in a high degree.

The advantages claimed for this mode of examinations and promotions are briefly as follows: —

The questions for the monthly examinations, being examined and approved by the Principals of the grammar schools, uniformity is secured in a given district; and being examined by the Superintendent also, a good degree of uniformity can be maintained throughout the city, thereby securing justice to pupils in all sections.

Promotions being based upon the average of the monthly examinations, the chances of pupils for promotion are multiplied, and the liability to failure from the contingencies of a single examination is obviated.

Parents are informed at the end of each month of the

rank of their children and of the probabilities of their promotion at the end of the year.

Faithful pupils are encouraged and stimulated, and the indolent are roused to greater activity.

Frequent reviews are secured, and all the subjects passed over within the year, come under observation at the end of each month.

The minds of pupils are relieved from the anxiety and uncomfortable forebodings incident to the uncertainty of a single annual examination.

Promotion by an annual examination is often too high a premium upon verbal memory. Every educator understands that the mere possession of facts is not always a criterion of development, or of a pupil's ability to cope successfully with the studies in advance. By frequent examinations of subjects but recently passed over, the industrious pupil with imperfect memory is placed more upon an equality with a pupil less industrious but with a more retentive memory.

DISCIPLINE.

The matter of discipline — the proper maintenance of which is so essential to the harmony and prosperity of the schools — demands our consideration.

Proper government is indispensable to the efficiency of any school. How to secure it in the best manner is a vital question.

That certain schools can be well managed by some teachers without recourse to corporal punishment, is a fact within our knowledge. Whether all schools could

be so conducted by *any* teacher is doubtful. That they are not by the average of teachers is sure.

We have usually accompanied our commendations of the excellent order which characterizes most of our schools, with the statement: "It is secured mainly by mild measures."

During the past year, teachers have made a record of all cases of corporal punishment in their respective schools; and by corporal punishment is understood "the infliction of physical pain."

The number of cases reported may not be regarded a large one, when we take into account the whole number of pupils, and all the varied and unfavorable circumstances under which many of them are being reared; but we could wish it had been smaller.

The record is interesting, and suggestive of several important lessons.

In three schools there was no case of punishment reported. One teacher reports one case only; one, three only; one, seven; one, eight; one, nine; two, ten each.

Of the whole number of cases reported, eight per cent only were in twenty schools; fifty per cent were in thirteen schools, and forty-two per cent were in the remaining twenty-six schools.

If we represent the average number of punishments to each pupil in the first and second classes of the grammar schools by .3, then .9 will represent the number in the third and fourth classes, and 1.3 the number in the fifth and sixth classes, and 1.2 the number in the Primary Schools.

From this record we learn that some of our schools have been most successfully managed without recourse to corporal punishment; and that other, and more diffi-

cult schools, have been as well conducted without resorting to punishment except in rare and extreme cases.

It is but just to say, however, that while the teachers of those schools where little or no punishment is employed, are among our best teachers, it is also true that the schools they teach are our best schools, being made up largely of pupils whose home influences and previous training in lower schools have been most conducive to the result secured.

We may not conclude that these teachers would succeed equally well in all schools, with the same kind of discipline. Neither may we infer that their schools are so tractable that teachers with less ability and skill would meet with similar success in their attempts to control them.

The teacher *and* the school are the components to be considered in arriving at just conclusions.

There would be great injustice in requiring of teachers, in schools of every grade, equal results by similar means. But, other things being the same, we do award the highest commendations to those teachers who secure good order, and cheerful, prompt obedience by moral means.

It is interesting to notice the rapid decrease in the number of cases of corporal punishment from the lower to the higher grades in the grammar schools. This diminution is satisfactorily accounted for by the following reasons: — The upper classes are all under the care of teachers of long experience. Self-respect, sense of propriety, and pride of reputation increase as pupils advance. Obedience and orderly deportment are largely the result of habit: when, therefore, pupils have been well trained at home and in the lower schools, the habits they form render it easy for them to conform to school requirements.

We can find no satisfactory reason why the per cent of punishments should be less in the primary schools than in the fifth and sixth classes of the grammar schools; especially, as nearly all the teachers who have had but little experience are in the primary schools. The inquiry is suggested, "Is not an improvement practicable?"

In nothing do teachers differ more widely than in their ability to govern. Hence it is, that we find such a marked difference in the amount of corporal punishment in schools of the same grade and similar in character.

Many persons are largely endowed by nature with qualities that enable them to control with ease; but generally, the art of governing is an *acquired art*, and is the result of long and observant practice.

The teacher who would govern well must possess, in the first place, ample literary qualifications, and a character above reproach. He must have a self-consciousness that he is equal to the task before him; and it must be apparent to the quick perceptions of his pupils that he is "*master of the situation.*"

He must possess perfect self-control. "He that is slow to anger is better than the mighty; and he that ruleth his spirit than he that taketh a city."

He must be in full sympathy with his pupils, and their highest good must be his constant and controling motive. His requirements must be reasonable and uniform. What he censures on some occasions, should not be permitted at other times. He must govern in accordance with fixed principles, and not according to his ever varying moods.

His bearing must be dignified; his manner gentle but decided; and his tones of voice firm but never boisterous. He must abstain constantly from indulgence in bitter sarcasm, and never, under any circumstances, resort to ridicule, which is always "sharper than a serpent's tooth," to a sensitive child. He should cultivate in his pupils self-respect and confidence in their own abilities; and ever be quick to observe and ready to approve whatever is commendable. On all occasions he must be what he would have his pupils become.

A radical change must be effected in our social condition before corporal punishment can be *entirely* dispensed with in the government of schools.

The young must early be taught lessons of obedience, and of prompt submission to rightful authority.

Whenever a spirit of insubordination manifests itself, and fails to submit to the persuasions of kindness or the dictates of authority, recourse must be had to penal suffering.

What we would counsel is, "*never resort to corporal punishment until other means have been exhausted.*" Whenever it seems necessary to inflict punishment the teacher should carefully scrutinize his motives, and raise the inquiry, "Is there not a more excellent way?"

Corporal punishment is a summary mode of discipline; and the temptation to resort to it is strong, especially when the duties of the school are pressing.

We need to fortify ourselves constantly against tendencies in a wrong direction.

The regulation of our Committee in relation to this matter is as follows: —

"Teachers should aim at such discipline in their schools as would be exercised by a kind, judicious parent in his family, avoiding corporal punishment, especially in the case of girls, in all cases where good order can be preserved by milder measures; and in no case resorting to confinement in closets or wardrobe, or to other cruel and unnatural punishment."

The prevailing opinion of educators is indicated by the following extracts from the Regulations of School Committees in various sections.

"Teachers shall avoid corporal punishment in all cases where good order can be preserved by milder measures."—*Boston, Chicago, Oswego.*

"Corporal punishment shall be resorted to only in cases of persistent misconduct and after the failure of all other reasonable means of reformation."—*Brooklyn, N. Y.*

"So far as practicable teachers are to govern their pupils by the moral influence of kindness, and by appeals to the nobler principles of their nature."—*Cincinnati, Ohio.*

"Corporal punishment shall only be resorted to when other means fails."—*Lowell, Mass.*

"Corporal punishment shall be avoided except in extreme cases." —*Salem, Mass.*

"Teachers are to maintain a kind and faithful discipline, avoiding harsh punishments, and provoking and improper language."—*Worcester, Mass.*

"As a general rule, corporal punishment should be resorted to only after milder measures have been fairly tried without success."—*Springfield, Mass.*

PRIVATE EXAMINATIONS.

At the meeting of the Committee, held December 5, Sub-committees were appointed to examine the several schools: —

High School.	.	.	.	Messrs. Durell, Spencer, Brown, Chapin.
Grammar Schools,	1st	Class,	"	Mills, Chapin.
"	"	2d	"	" Hamilton, Willis.
"	"	3d	"	" Carlton, Spencer.
"	"	4th	"	" Morse, Brown.
"	"	5th	"	" Durell, Harding, Hanscom.
"	"	6th	"	" Knapp, Moore.

The Primary Schools were examined by the Sub-committees of the several districts.

By this arrangement, all schools of the same grade came under the observation of the same Committee. Hence their comparative merits were more readily determined.

These Committees waived the usual custom of making written reports; but instead thereof, presented at the meeting of the Board, held December 31, interesting verbal reports upon the condition and relative standing of the various schools examined by them.

Various causes, beyond the control of teachers, affect the standing and general appearance of different schools of the same grade; as, the previous preparation of pupils, their home influences, and regular or irregular attendance. There are causes also,—not always apparent or

traceable, which make any school appear to a disadvantage on certain days, and possibly upon the day of examination. For all of these, Committees are generally disposed to make due allowance.

The same amount of work is required of all schools of the same grade, within a given period; and a good degree of uniformity exists in the average ability, ages, and previous preparation of the pupils composing them. When, therefore, they are found to differ materially, it is usual to attribute the difference mainly to the teachers; for it has passed into a proverb, "*As is the teacher, so is the school.*"

Nearly twenty per cent of our present corps of teachers have been elected within the year. As vacancies occur, too great caution cannot be exercised in the selection of persons to fill them. We should endeavor to avail ourselves of the best talent that can be procured with the means at our disposal.

Mr. Philbrick, Superintendent of the Public Schools of Boston, says in a recent report, "'*All roads lead to Rome;*" so all lines of educational improvement converge into one central object, — *the teacher.* The importance of other elements that go to make up a good school may be, and often are, over-estimated. Not so with the teacher. The teacher *is* the school. How to secure to every school a teacher who understands and loves his work, — this is the supreme educational problem, at all times and in every place."

We should aim to secure teachers of scholarly culture and large experience; those possessing professional enthusiasm and a just appreciation of the importance of their work, — who will labor skillfully and faithfully to develop in their pupils whatever is essential to render

them valuable citizens, — who will be solicitous, not only to secure their intellectual advancement, but also to cultivate in them a deeper sense of moral obligation, and greater reverence of heart.

Allow me, gentlemen, in concluding my report, to congratulate you on the satisfactory condition of the interest committed to your charge, — the great harmony which has ever characterized your deliberations, — the interest of our citizens in the cause of education, — the general faithfulness of teachers, — the industry, obedience, and orderly deportment of pupils; and, to express to you my gratitude for your uniform kindness to me personally, and for your constant and cheerful co-operation in my work.

J. H. DAVIS,

Superintendent of Public Schools.

December 31, 1872.

LIST

OF

CITY OFFICERS

FOR 1872.

MAYOR.

GEORGE O. BRASTOW,

SUMMER STREET (Office, City Hall.)

ALDERMEN.

Ward 1.

WILLIAM H. FURBER .	Mt. Vernon street.
HORACE HASKINS . .	Franklin street.

Ward 2.

CLARK BENNETT . .	Prospect street.
DANIEL E. CHASE . .	Park street.

Ward 3.

JACOB T. GLINES . .	Broadway.
JOHN R. POOR . . .	Broadway.

Ward 4.

PERSON DAVIS . . .	Elm street.
JOHN G. HALL . . .	Summer street.

COMMON COUNCIL.

OREN S. KNAPP, *President.*

Ward 1.

Ezra D. Conant . . .	Pearl street.
Edward A. Curtis, . . .	Mt. Vernon street.
Michael Dechan . . .	Fitchburg street.
Charles G. Pope . . .	Lincoln street.

Ward 2.

John T. Bolton . . .	Highland Avenue.
Oren S. Knapp . . .	School street.
Patrick Rafferty . . .	Columbia street.
George W. Wyatt . . .	Beacon street.

Ward 3.

Walter S. Barnes . . .	Vernon street.
Stewart French . . .	Chester street.
Albert Kenneson . . .	Broadway.
Henry F. Woods . . .	Forster street.

Ward 4.

Wesley C. Crane . . .	Summer street.
Thomas H. Lord . . .	Chestnut court.
Nathaniel Morrison . . .	Morrison street.
Christopher E. Rymes .	Summer strcet.

CITY CLERK.

Charles E. Gilman . . . Walnut street (Office, City Hall).

CITY TREASURER AND COLLECTOR OF TAXES.

Aaron Sargent Broadway (Office, City Hall).

CITY AUDITOR.

Charles E. Gilman . . . Walnut street.
(Office, City Hall).

CITY SOLICITOR.

Selwin Z. Bowman . . . Broadway.

CITY ENGINEER.

Charles D. Elliot . . . Walnut street.
(Office, City Hall).

CITY PHYSICIAN.

William W. Dow . . . School street
and Union square.

CLERK OF COMMON COUNCIL.

Solomon Davis Cross street.

CITY MESSENGER.

CHIEF OF POLICE.

Melville C. Parkhurst . . Milk street
(Office at Police Station).

SUPERINTENDENT OF STREETS.

Franklin Henderson . . Central street.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

James R. Hopkins . . . Wigglesworth street.

WATER STREET.

Christopher E. Rymes, *Chairman*, Summer street.
Robt. A. Vinal, *Clerk*, . . Walnut street.
Cutler Downer . . . Central street.
Thomas Cunningham . . . Oak street.
Horace Haskins . . . Franklin street.

OVERSEERS OF THE POOR.

GEO. O. BRASTOW (*Mayor*) . Summer street.
Chairman, ex officio, (Office, City Hall.)

OWEN S. KNAPP . . . School street.
(*President of the Common Council,*) *ex officio.*

ABRAM WELSH Linden street.
(Deceased May 18th, 1872.)

THOS. CUNNINGHAM . . . Oak street.
(Successor to Abram Welsh, June 1st, 1872.)

ANSEL LEWIS Webster street.

ASSESSORS.

JOHN C. MAGOUN, . . . Broadway.

SABIN M. SMITH . . . Flint street.

THOS. CUNNINGHAM . . . Oak street.

SCHOOL COMMITTEE.

GEO. O. BRASTOW, (*Mayor*) . Summer street.
Chairman ex officio, (Office, City Hall.)

OREN S. KNAPP . . . School street.
(*President of the Common Council*) *ex officio.*

Ward 1.

URIAH R. HARDING . . . Pearl street.

HENRY M. MOORE . . . Myrtle street.

SANFORD HANSCOM . . . Perkins street.

Ward 2.

GEORGE W. DURELL . . . Summer street.

JOHN W. F. HAMILTON . . Everett street.

EDWIN MILLS Dane street.

Ward 3.

SAMUEL A. CARLTON . . . Broadway.

HENRY F. SPENCER . . . Sycamore street.

REUBEN WILLIS Broadway.

Ward 4.

Benjamin G. Brown . . .	Professor's row.
Horace Chapin . . .	Beach street.
Enoch R. Morse . . .	Spring street.

SUPERINTENDENT OF SCHOOLS.

Joshua H. Davis . . .	Myrtle street.

JOINT COMMITTEES OF THE CITY COUNCIL.

On Finance. — The Mayor, Aldermen Bennett and Furber, the President of the Common Council, and Councilmen Lord, Bolton, Conant and Woods.

Accounts. — Aldermen Davis and Glines, and Councilmen Woods, Pope and Bolton.

Public Property. — Aldermen Poor and Hall, and Councilmen French, Rafferty and Crane.

Water. — Aldermen Chase and Davis, the President of the Common Council, and Councilmen Rymes and French.

State Aid and Soldiers' Relief. — Aldermen Furber and Bennett, and Councilmen Bolton, Rafferty and Curtis.

Fuel and Street Lights. — Aldermen Haskins and Chase, and Councilmen Barnes, Curtis and Lord.

Fire Department. — Aldermen Chase and Hall, and Councilmen Lord, Bolton and Curtis.

Highways. — Aldermen Poor and Haskins and Councilman Kennison, Rymes, and Rafferty.

Printing. — Aldermen Furber, and Councilmen Barnes and Morrison.

Burial Grounds. — Aldermen Davis and Glines, and Councilmen Rafferty, Crane and Woods.

Ordinances. — Aldermen Bennett and Poor, and Councilmen Pope, Rymes and Woods.

Claims. — The Mayor, Alderman Furber, the President of the Common Council, and Councilmen Conant and Kenneson.

Health. — Aldermen Hall and Haskins, and Councilmen Dechan, Wyatt, and Barnes.

COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

On Police. — The Mayor, and Aldermen Chase and Glines.

Elections and Returns. — Aldermen Bennett and Hall.

Enrolled Ordinances and Resolutions. — Aldermen Furber and Davis.

Drains and Sewers. — Aldermen Glines, Davis, and Bennett.

Licenses. — Aldermen Glines and Haskins.

COMMITTEES OF THE COMMON COUNCIL.

On Elections and Returns. — Councilmen Crane, Barnes and Pope.

Enrolled Ordinances and Resolutions. — Councilmen Curtis, Rymes and Bolton.

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